

**CONCEPTUAL STUDY
OF
ARTICULATED STABLE OCEAN PLATFORM**

**FINAL REPORT
PART II
(VOLUME II)**

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CARDEROCK DIVISION
NAVAL SURFACE WARFARE CENTER

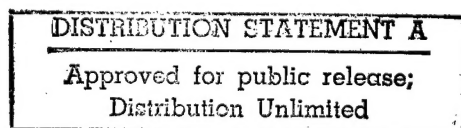
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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

A conceptual study has been completed to evaluate the feasibility of a new concept of a floating storage platform - the Articulated Stable Ocean Platform (ASOP). The unique aspects of the ASOP is the articulation of the stabilize buoys which were introduced for the purposes of reducing wave load and overall vessel motion. The ASOP was designed to have a fuel storage capability of 1 million barrels and to support a topside up to 12,000 kips in total weight. The fuel storage tanks were designed in such a way that the draft of the platform would remain unchanged at any loading condition without adjusting the ballast. This greatly simplified the operations and allowed the platform to continue other activities while loading and off-loading.

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The study shows that the ASOP has adequate stability and satisfies the stability requirement of the certifying authorities. Both numerical analysis and model test showed that the ASOP offers exceptional motion response characteristics in all its degrees of freedom. In terms of platform motion response, the ASOP is capable of operating in more severe weather conditions than a conventional surface vessel type platform. A seven body (six buoys and the hull) coupled motion analysis in ocean environment was performed and results in general agreed with the model test. However, both numerical analysis and model tests showed that the articulated buoys have no clear advantage over fixed buoys in the global motion of the ASOP. The reduction of forces by using articulation did not significantly improve the motion of the platform. Furthermore, the analysis and model test showed that compared to the fixed buoy case, using articulations increased the slow drift motions of the ASOP in random waves. The study also indicated that the introduction of articulations complicated the hydrostatic stability of the platform. Damaged stability was the governing factor in determination of the size of the articulated buoys. In conclusion, this conceptual study indicated that the fuel storage ASOP is a viable concept. Its large storage capability and exceptional motion characteristics allow many applications both in civil and military purpose.

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**MODEL STUDIES
OF
ARTICULATED STABLE
OCEAN PLATFORM**

VOLUME II

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APPENDIX F

FILTERED STATISTICS

RESPONSE SUMMARY, File: 111.CSV 02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.24	2.90	6.70	-5.95	11.04	-10.56	Fr(Hz)
Pitch (deg) Total	0.09	0.30	0.74	-0.47	1.20	-1.02	
Low Freq	0.09	0.29	0.70	-0.32	1.15	-0.97	<.0300
High Freq	0.00	0.08	0.22	-0.22	0.32	-0.32	>.0300
Heave (ft) Total	1.03	0.70	2.51	-1.25	3.63	-1.58	
Low Freq	1.03	0.68	2.62	-0.50	3.54	-1.49	<.0300
High Freq	0.00	0.19	0.51	-0.96	0.69	-0.69	>.0300
Surge (ft) Total	-2.15	1.88	0.94	-4.85	4.86	-9.16	
Low Freq	-2.15	1.87	0.71	-4.70	4.82	-9.12	<.0300
High Freq	0.00	0.19	0.59	-0.77	0.70	-0.70	>.0300
ML-1 (kips) Total	189.42	13.14	216.37	165.08	238.29	140.55	
Low Freq	189.42	12.70	212.57	167.46	236.65	142.18	<.0300
High Freq	0.00	3.37	12.42	-14.61	12.53	-12.53	>.0300
ML-2 (kips) Total	241.45	7.57	256.31	226.59	269.59	213.30	
Low Freq	241.45	7.41	256.47	229.35	269.02	213.87	<.0300
High Freq	0.00	1.51	3.94	-5.76	5.63	-5.63	>.0300
BT-1 (kips) Total	-16.89	84.18	192.16	-201.05	296.25	-330.03	
Low Freq	-16.89	54.83	91.60	-118.14	187.08	-220.86	<.0300
High Freq	-0.00	63.87	112.52	-122.94	237.60	-237.60	>.0300
BT-2 (kips) Total	-13.16	43.79	108.34	-119.94	149.76	-176.07	
Low Freq	-13.16	31.24	49.08	-82.80	103.06	-129.38	<.0300
High Freq	-0.00	30.69	63.70	-59.07	114.17	-114.17	>.0300

RESPONSE SUMMARY,

File: 112.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.36	7.50	11.82	-12.71	28.26	-27.53	Fr(Hz)
Pitch (deg) Total	-0.15	0.97	1.37	-1.76	3.48	-3.77	
Low Freq	-0.15	0.11	0.04	-0.45	0.25	-0.54	<.0300
High Freq	-0.00	0.97	1.40	-1.51	3.60	-3.60	>.0300
Heave (ft) Total	1.67	2.17	5.57	-2.44	9.72	-6.39	
Low Freq	1.67	0.53	2.56	0.37	3.62	-0.29	<.0300
High Freq	-0.00	2.10	3.23	-3.16	7.81	-7.81	>.0300
Surge (ft) Total	-7.84	3.13	-0.32	-15.30	3.79	-19.47	
Low Freq	-7.84	2.44	-3.32	-12.70	1.23	-16.91	<.0300
High Freq	-0.00	1.96	3.16	-3.12	7.28	-7.28	>.0300
ML-1 (kips) Total	226.75	16.82	267.66	190.72	289.32	164.18	
Low Freq	226.75	15.29	258.01	203.33	283.61	169.89	<.0300
High Freq	0.00	7.02	15.48	-15.93	26.12	-26.12	>.0300
ML-2 (kips) Total	265.88	11.25	293.45	245.16	307.73	224.04	
Low Freq	265.88	9.29	287.09	251.67	300.43	231.34	<.0300
High Freq	-0.00	6.35	10.91	-11.54	23.61	-23.61	>.0300
BT-1 (kips) Total	17.17	103.24	194.69	-198.52	401.24	-366.91	
Low Freq	17.17	25.11	75.28	-40.98	110.56	-76.23	<.0300
High Freq	0.00	100.15	140.97	-173.79	372.54	-372.54	>.0300
BT-2 (kips) Total	-496.51	204.63	86.19	-686.85	264.71	-1257.73	
Low Freq	-496.51	194.38	76.76	-642.62	226.59	-1219.61	<.0300
High Freq	-0.00	63.94	228.65	-187.65	237.86	-237.86	>.0300

RESPONSE SUMMARY,

File: 113.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.04	6.49	8.35	-9.50	24.09	-24.17	Fr(Hz)
Pitch (deg) Total	-0.02	0.70	1.00	-1.15	2.58	-2.62	
Low Freq	-0.02	0.08	0.35	-0.20	0.29	-0.33	<.0300
High Freq	-0.00	0.69	1.12	-1.12	2.58	-2.58	>.0300
Pt Heave (ft) Total	0.08	4.57	6.81	-6.66	17.07	-16.90	
Low Freq	0.08	0.26	0.79	-1.09	1.04	-0.87	<.0300
High Freq	0.00	4.56	6.91	-7.04	16.96	-16.96	>.0300
Pt Surge (ft) Total	0.68	4.71	9.37	-6.96	18.21	-16.85	
Low Freq	0.68	1.16	3.09	-1.03	4.99	-3.63	<.0300
High Freq	0.00	4.57	7.59	-7.39	16.99	-16.99	>.0300
ML-1 (kips) Total	168.42	27.47	216.37	118.06	270.62	66.23	
Low Freq	168.42	6.13	178.16	155.00	191.22	145.63	<.0300
High Freq	0.00	26.78	42.21	-43.15	99.62	-99.62	>.0300
ML-2 (kips) Total	234.14	18.81	267.45	200.59	304.12	164.17	
Low Freq	234.14	3.98	240.79	225.91	248.96	219.32	<.0300
High Freq	-0.00	18.38	29.81	-28.91	68.39	-68.39	>.0300
BT-1 (kips) Total	-5.28	37.02	48.17	-65.65	132.42	-142.99	
Low Freq	-5.28	7.04	4.67	-30.07	20.90	-31.47	<.0300
High Freq	-0.00	36.34	48.05	-59.20	135.19	-135.19	>.0300
BT-2 (kips) Total	13.47	51.88	91.08	-64.57	206.47	-179.54	
Low Freq	13.47	7.01	23.79	-16.60	39.55	-12.62	<.0300
High Freq	0.00	51.41	72.43	-77.64	191.24	-191.24	>.0300

RESPONSE SUMMARY,

File: 121.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.41	2.44	9.58	-9.15	9.47	-8.65	Fr(Hz)
Pitch (deg) Total	-0.03	0.42	1.18	-1.29	1.54	-1.59	
Low Freq	-0.03	0.40	0.99	-1.14	1.45	-1.50	<.0300
High Freq	0.00	0.14	0.47	-0.46	0.53	-0.53	>.0300
Pt Heave (ft) Total	0.32	1.43	4.07	-3.74	5.66	-5.01	
Low Freq	0.32	1.42	3.92	-3.36	5.59	-4.94	<.0300
High Freq	0.00	0.23	0.84	-0.87	0.87	-0.87	>.0300
Pt Surge (ft) Total	-0.72	1.45	3.61	-5.15	4.69	-6.13	
Low Freq	-0.72	1.42	3.30	-4.62	4.56	-6.00	<.0300
High Freq	-0.00	0.31	1.25	-1.10	1.17	-1.17	>.0300
ML-1 (kips) Total	175.78	13.71	224.91	143.71	226.78	124.78	
Low Freq	175.78	13.45	221.99	146.16	225.80	125.76	<.0300
High Freq	0.00	2.67	12.40	-10.37	9.93	-9.93	>.0300
ML-2 (kips) Total	235.73	7.15	256.31	215.45	262.31	209.14	
Low Freq	235.73	6.99	253.70	217.11	261.74	209.72	<.0300
High Freq	-0.00	1.48	5.37	-4.62	5.49	-5.49	>.0300
BT-1 (kips) Total	-0.58	92.35	276.37	-292.75	342.95	-344.12	
Low Freq	-0.58	85.51	218.74	-262.99	317.53	-318.70	<.0300
High Freq	-0.00	34.87	114.81	-108.61	129.70	-129.70	>.0300
BT-2 (kips) Total	42.24	114.82	840.53	-202.30	469.37	-384.88	
Low Freq	42.24	110.89	865.10	-172.27	454.77	-370.28	<.0300
High Freq	-0.00	29.77	302.26	-248.88	110.74	-110.74	>.0300

RESPONSE SUMMARY,

File: 122.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.44	5.68	26.05	-16.88	21.57	-20.69	Fr(Hz)
Pitch (deg) Total	-0.04	1.17	3.81	-4.17	4.31	-4.39	
Low Freq	-0.04	1.05	3.23	-2.82	3.85	-3.93	<.0300
High Freq	0.00	0.52	1.74	-1.89	1.93	-1.93	>.0300
Pt Heave (ft) Total	1.34	3.89	14.65	-9.72	15.81	-13.13	
Low Freq	1.34	3.79	12.41	-9.04	15.42	-12.74	<.0300
High Freq	0.00	0.90	3.34	-3.46	3.34	-3.34	>.0300
Pt Surge (ft) Total	-6.05	8.02	16.43	-27.69	23.77	-35.87	
Low Freq	-6.05	7.96	14.50	-26.13	23.55	-35.65	<.0300
High Freq	-0.00	0.97	4.42	-3.92	3.61	-3.61	>.0300
ML-1 (kips) Total	214.36	52.50	370.23	92.42	409.67	19.04	
Low Freq	214.36	52.17	369.81	106.13	408.42	20.30	<.0300
High Freq	0.00	5.95	32.16	-27.80	22.13	-22.13	>.0300
ML-2 (kips) Total	257.24	27.46	330.60	189.45	359.40	155.08	
Low Freq	257.24	27.26	329.42	200.43	358.63	155.84	<.0300
High Freq	0.00	3.36	21.66	-17.69	12.50	-12.50	>.0300
BT-1 (kips) Total	15.58	208.79	708.08	-823.37	792.29	-761.13	
Low Freq	15.58	191.43	684.95	-733.60	727.70	-696.53	<.0300
High Freq	-0.00	83.36	331.37	-291.41	310.11	-310.11	>.0300
BT-2 (kips) Total	526.89	311.70	987.81	-407.83	1686.41	-632.63	
Low Freq	526.89	305.27	960.35	-345.32	1662.48	-608.69	<.0300
High Freq	0.00	63.01	346.30	-513.00	234.39	-234.39	>.0300

RESPONSE SUMMARY,

File: 123.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
ave Elevation (ft)	0.30	12.08	49.45	-47.74	45.22	-44.62	Fr(Hz)
Pitch (deg) Total	-0.04	1.94	5.85	-8.89	7.18	-7.25	
Low Freq	-0.04	1.40	3.77	-4.36	5.18	-5.25	<.0300
High Freq	-0.00	1.34	5.39	-6.15	4.99	-4.99	>.0300
Heave (ft) Total	2.42	6.23	30.63	-14.33	25.61	-20.77	
Low Freq	2.42	4.94	16.82	-11.57	20.79	-15.95	<.0300
High Freq	0.00	3.80	16.04	-16.19	14.15	-14.15	>.0300
Surge (ft) Total	-20.73	15.77	22.39	-66.52	37.93	-79.40	
Low Freq	-20.73	15.31	21.01	-59.27	36.23	-77.70	<.0300
High Freq	-0.00	3.76	16.14	-16.94	14.01	-14.01	>.0300
ML-1 (kips) Total	300.54	125.69	1665.29	32.58	768.11	-167.03	
Low Freq	300.54	120.47	1152.22	46.36	748.71	-147.62	<.0300
High Freq	-0.00	35.83	570.42	-442.24	133.29	-133.29	>.0300
ML-2 (kips) Total	310.15	60.48	876.65	159.73	535.15	85.15	
Low Freq	310.15	57.54	646.40	165.95	524.18	96.11	<.0300
High Freq	0.00	18.65	256.44	-173.19	69.37	-69.37	>.0300
BT-1 (kips) Total	7.77	315.34	935.66	-1439.13	1180.85	-1165.30	
Low Freq	7.77	286.62	919.95	-957.27	1074.00	-1058.46	<.0300
High Freq	0.00	131.49	475.74	-493.50	489.15	-489.15	>.0300
BT-2 (kips) Total	-46.41	230.44	595.22	-971.62	810.84	-903.65	
Low Freq	-46.41	209.83	545.52	-687.44	734.14	-826.96	<.0300
High Freq	-0.00	95.27	360.66	-407.68	354.41	-354.41	>.0300

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RESPONSE SUMMARY,

File: 223.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.32	12.41	51.78	-44.04	46.49	-45.84	Fr(Hz)
Pitch (deg) Total	-6.23	3.20	0.64	-17.05	5.67	-18.13	
Low Freq	-6.23	2.87	-1.33	-14.04	4.46	-16.91	<.0300
High Freq	0.00	1.41	5.56	-6.26	5.23	-5.23	>.0300
Pt Heave (ft) Total	4.46	5.71	33.64	-11.44	25.69	-16.77	
Low Freq	4.46	4.39	18.99	-10.41	20.78	-11.86	<.0300
High Freq	-0.00	3.65	15.46	-15.47	13.57	-13.57	>.0300
Pt Surge (ft) Total	41.35	18.88	99.59	-14.44	111.56	-28.87	
Low Freq	41.35	17.71	94.93	-6.66	107.24	-24.55	<.0300
High Freq	-0.00	6.52	27.59	-25.02	24.26	-24.26	>.0300
ML-1 (kips) Total	505.19	230.24	2838.02	226.53	1361.68	-351.31	
Low Freq	505.19	218.79	2249.51	220.76	1319.08	-308.70	<.0300
High Freq	-0.00	71.72	827.17	-763.74	266.79	-266.79	>.0300
ML-2 (kips) Total	375.34	111.52	1759.31	221.46	790.18	-39.50	
Low Freq	375.34	100.80	1158.28	219.26	750.30	0.37	<.0300
High Freq	0.00	47.71	650.25	-449.92	177.47	-177.47	>.0300
BEX-1 (ft) Total	-0.06	0.04	0.10	-0.19	0.07	-0.20	
Low Freq	-0.06	0.02	0.01	-0.13	0.02	-0.15	<.0300
High Freq	0.00	0.03	0.09	-0.07	0.10	-0.10	>.0300
BEX-2 (ft) Total	-0.00	0.09	0.00	-2.41	0.31	-0.32	
Low Freq	-0.00	0.04	0.08	-0.38	0.14	-0.14	<.0300
High Freq	0.00	0.08	0.37	-2.03	0.29	-0.29	>.0300

RESPONSE SUMMARY, File: 311.CSV 02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.33	3.18	6.30	-5.97	12.17	-11.52	Fr(Hz)
Pitch (deg) Total	0.14	0.30	0.72	-0.38	1.25	-0.97	
Low Freq	0.14	0.29	0.70	-0.30	1.21	-0.93	<.0300
High Freq	0.00	0.07	0.20	-0.30	0.28	-0.28	>.0300
pt Heave (ft) Total	0.51	0.61	1.68	-0.56	2.79	-1.76	
Low Freq	0.51	0.60	1.55	-0.55	2.76	-1.73	<.0300
High Freq	-0.00	0.09	0.32	-0.18	0.34	-0.34	>.0300
pt Surge (ft) Total	-4.06	2.19	-0.23	-6.79	4.07	-12.20	
Low Freq	-4.06	2.18	-0.43	-6.44	4.03	-12.16	<.0300
High Freq	-0.00	0.21	0.45	-0.58	0.79	-0.79	>.0300
ML-1 (kips) Total	294.24	13.06	324.05	272.76	342.83	245.65	
Low Freq	294.24	12.80	322.58	276.70	341.88	246.61	<.0300
High Freq	0.00	2.58	8.26	-6.52	9.59	-9.59	>.0300
ML-2 (kips) Total	281.65	6.39	296.16	270.16	305.42	257.88	
Low Freq	281.65	6.27	294.97	272.80	304.96	258.33	<.0300
High Freq	0.00	1.25	2.96	-3.29	4.64	-4.64	>.0300
BT-1 (kips) Total	-3.39	76.02	174.20	-182.80	279.42	-286.20	
Low Freq	-3.39	57.40	108.24	-117.74	210.15	-216.93	<.0300
High Freq	-0.00	49.84	108.63	-91.22	185.42	-185.42	>.0300
BT-2 (kips) Total	3.22	44.13	97.34	-89.44	167.39	-160.95	
Low Freq	3.22	35.20	69.71	-68.80	134.15	-127.71	<.0300
High Freq	0.00	26.62	58.50	-53.32	99.04	-99.04	>.0300

RESPONSE SUMMARY,

File: 312.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.31	7.60	11.57	-11.70	28.57	-27.95	Fr(Hz)
Pitch (deg) Total	-0.03	0.86	1.45	-1.44	3.15	-3.22	
Low Freq	-0.03	0.11	0.27	-0.30	0.39	-0.46	<.0300
High Freq	-0.00	0.85	1.30	-1.25	3.16	-3.16	>.0300
Pt Heave (ft) Total	0.64	1.90	4.22	-2.96	7.72	-6.44	
Low Freq	0.64	0.57	1.72	-0.55	2.75	-1.47	<.0300
High Freq	0.00	1.82	2.84	-2.71	6.75	-6.75	>.0300
Pt Surge (ft) Total	-7.77	3.04	-0.97	-15.76	3.52	-19.06	
Low Freq	-7.77	2.30	-4.01	-12.96	0.79	-16.33	<.0300
High Freq	0.00	1.98	3.10	-3.13	7.37	-7.37	>.0300
ML-1 (kips) Total	333.93	15.97	375.33	302.67	393.35	274.51	
Low Freq	333.93	14.97	368.14	308.68	389.62	278.24	<.0300
High Freq	0.00	5.57	11.56	-12.00	20.72	-20.72	>.0300
ML-2 (kips) Total	299.60	8.74	322.16	281.30	332.13	267.07	
Low Freq	299.60	6.93	315.86	288.71	325.38	273.82	<.0300
High Freq	-0.00	5.33	10.08	-9.83	19.83	-19.83	>.0300
BT-1 (kips) Total	-1.94	97.53	185.49	-202.55	360.88	-364.76	
Low Freq	-1.94	28.06	72.15	-68.30	102.44	-106.32	<.0300
High Freq	0.00	93.41	134.93	-150.51	347.48	-347.48	>.0300
BT-2 (kips) Total	-9.96	66.17	127.29	-152.88	236.20	-256.12	
Low Freq	-9.96	23.53	48.47	-57.37	77.55	-97.47	<.0300
High Freq	0.00	61.85	94.24	-107.04	230.07	-230.07	>.0300

RESPONSE SUMMARY,

File: 313.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.20	6.63	9.45	-9.93	24.86	-24.45	Fr(Hz)
Pitch (deg) Total	-0.01	0.69	1.02	-1.10	2.55	-2.57	
Low Freq	-0.01	0.07	0.14	-0.38	0.25	-0.26	<.0300
High Freq	0.00	0.69	1.09	-1.06	2.55	-2.55	>.0300
Pt Heave (ft) Total	0.11	4.29	6.33	-6.19	16.06	-15.84	
Low Freq	0.11	0.14	0.71	-0.69	0.64	-0.42	<.0300
High Freq	0.00	4.29	6.99	-6.41	15.94	-15.94	>.0300
Pt Surge (ft) Total	-1.48	4.90	7.23	-9.75	16.73	-19.70	
Low Freq	-1.48	1.13	2.14	-3.39	2.70	-5.67	<.0300
High Freq	0.00	4.76	7.32	-7.73	17.73	-17.73	>.0300
ML-1 (kips) Total	260.17	28.60	315.50	204.37	366.55	153.80	
Low Freq	260.17	8.09	274.51	240.05	290.28	230.06	<.0300
High Freq	0.00	27.43	44.34	-42.70	102.03	-102.03	>.0300
ML-2 (kips) Total	273.44	17.13	303.59	244.15	337.15	209.73	
Low Freq	273.44	2.94	279.61	263.89	284.38	262.50	<.0300
High Freq	-0.00	16.87	27.50	-26.41	62.76	-62.76	>.0300
BT-1 (kips) Total	2.10	37.64	61.59	-57.41	142.12	-137.93	
Low Freq	2.10	5.24	16.53	-10.27	21.58	-17.38	<.0300
High Freq	0.00	37.28	54.87	-59.50	138.66	-138.66	>.0300
BT-2 (kips) Total	-4.87	49.62	76.75	-89.28	179.70	-189.44	
Low Freq	-4.87	4.59	11.09	-23.11	12.20	-21.94	<.0300
High Freq	0.00	49.40	79.10	-79.45	183.78	-183.78	>.0300

RESPONSE SUMMARY,

File: 321.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.32	2.53	9.60	-9.45	9.73	-9.10	Fr(Hz)
Pitch (deg) Total	-0.00	0.36	1.21	-1.29	1.32	-1.32	
Low Freq	-0.00	0.34	1.16	-1.09	1.26	-1.26	<.0300
High Freq	0.00	0.10	0.36	-0.31	0.38	-0.38	>.0300
Pt Heave (ft) Total	0.22	1.02	3.35	-2.48	4.01	-3.57	
Low Freq	0.22	1.00	3.05	-2.45	3.93	-3.49	<.0300
High Freq	-0.00	0.21	0.75	-0.78	0.78	-0.78	>.0300
Pt Surge (ft) Total	-1.79	3.63	5.95	-9.40	11.73	-15.30	
Low Freq	-1.79	3.62	5.48	-8.82	11.68	-15.26	<.0300
High Freq	-0.00	0.30	1.06	-1.81	1.10	-1.10	>.0300
ML-1 (kips) Total	271.33	22.98	332.59	221.47	356.83	185.83	
Low Freq	271.33	22.83	330.50	224.68	356.27	186.40	<.0300
High Freq	0.00	2.63	12.57	-18.35	9.80	-9.80	>.0300
ML-2 (kips) Total	277.14	10.70	303.59	251.58	316.93	237.35	
Low Freq	277.14	10.60	305.06	253.09	316.56	237.72	<.0300
High Freq	-0.00	1.46	5.01	-5.45	5.43	-5.43	>.0300
BT-1 (kips) Total	3.72	72.52	196.95	-206.61	273.49	-266.05	
Low Freq	3.72	67.28	188.56	-166.66	254.00	-246.56	<.0300
High Freq	0.00	27.06	92.10	-78.50	100.68	-100.68	>.0300
BT-2 (kips) Total	0.49	50.18	155.72	-124.44	187.15	-186.17	
Low Freq	0.49	46.76	132.66	-106.33	174.42	-173.45	<.0300
High Freq	-0.00	18.21	69.68	-52.81	67.73	-67.73	>.0300

RESPONSE SUMMARY, File: 322.CSV 02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.42	5.72	23.96	-16.94	21.71	-20.86	Fr(Hz)
Pitch (deg) Total	0.06	0.89	2.87	-2.96	3.37	-3.25	
Low Freq	0.06	0.78	2.27	-2.04	2.95	-2.83	<.0300
High Freq	-0.00	0.43	1.50	-1.64	1.60	-1.60	>.0300
Pt Heave (ft) Total	0.67	2.56	9.69	-6.25	10.19	-8.85	
Low Freq	0.67	2.43	8.55	-6.32	9.72	-8.37	<.0300
High Freq	-0.00	0.80	2.91	-2.99	2.96	-2.96	>.0300
Pt Surge (ft) Total	-10.04	9.28	14.50	-37.69	24.50	-44.57	
Low Freq	-10.04	9.22	12.12	-36.22	24.27	-44.34	<.0300
High Freq	-0.00	1.07	10.83	-12.58	3.97	-3.97	>.0300
ML-1 (kips) Total	333.17	60.57	524.93	183.00	558.50	107.85	
Low Freq	333.17	60.24	514.34	186.55	557.27	109.08	<.0300
High Freq	0.00	6.32	91.88	-101.82	23.50	-23.50	>.0300
ML-2 (kips) Total	302.26	27.98	385.31	233.01	406.33	198.19	
Low Freq	302.26	27.78	377.63	241.58	405.62	198.91	<.0300
High Freq	0.00	3.27	32.58	-34.00	12.17	-12.17	>.0300
BT-1 (kips) Total	13.20	165.63	484.92	-627.45	629.35	-602.95	
Low Freq	13.20	151.86	413.15	-528.83	578.14	-551.73	<.0300
High Freq	-0.00	66.12	264.06	-197.58	245.95	-245.95	>.0300
BT-2 (kips) Total	-3.83	118.58	331.36	-415.75	437.29	-444.96	
Low Freq	-3.83	109.33	281.75	-343.13	402.87	-410.54	<.0300
High Freq	0.00	45.92	175.33	-161.31	170.83	-170.83	>.0300

RESPONSE SUMMARY,

File: 323.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.36	12.70	49.31	-45.53	47.63	-46.90	Fr(Hz)
Pitch (deg) Total	-0.07	1.69	5.36	-7.94	6.21	-6.35	
Low Freq	-0.07	1.21	3.96	-4.04	4.44	-4.58	<.0300
High Freq	-0.00	1.17	4.63	-5.17	4.37	-4.37	>.0300
Pt Heave (ft) Total	1.11	4.97	21.68	-18.36	19.59	-17.38	
Low Freq	1.11	3.53	10.85	-8.95	14.25	-12.04	<.0300
High Freq	-0.00	3.49	14.59	-14.28	12.99	-12.99	>.0300
Pt Surge (ft) Total	-18.48	14.35	24.28	-58.58	34.90	-71.86	
Low Freq	-18.48	13.90	22.23	-50.33	33.22	-70.18	<.0300
High Freq	-0.00	3.57	15.01	-14.87	13.30	-13.30	>.0300
ML-1 (kips) Total	415.29	134.55	1798.62	144.53	915.81	-85.23	
Low Freq	415.29	126.37	1227.92	149.16	885.37	-54.79	<.0300
High Freq	0.00	46.20	603.17	-396.23	171.87	-171.87	>.0300
ML-2 (kips) Total	335.80	45.55	593.33	210.72	505.25	166.35	
Low Freq	335.80	43.42	501.20	214.56	497.33	174.28	<.0300
High Freq	0.00	13.77	102.65	-68.75	51.21	-51.21	>.0300
BT-1 (kips) Total	-28.50	264.64	799.48	-1285.58	955.96	-1012.96	
Low Freq	-28.50	238.38	704.36	-894.59	858.26	-915.26	<.0300
High Freq	-0.00	114.94	349.86	-393.16	427.57	-427.57	>.0300
BT-2 (kips) Total	-40.11	186.37	500.48	-864.03	653.18	-733.40	
Low Freq	-40.11	165.24	479.38	-689.46	574.58	-654.80	<.0300
High Freq	-0.00	86.19	310.18	-287.06	320.64	-320.64	>.0300

RESPONSE SUMMARY, File: 351.CSV 02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.48	3.22	4.43	-5.70	11.49	-12.44	Fr(Hz)
Pitch (deg) Total	-0.12	0.24	0.50	-0.62	0.77	-1.02	
Low Freq	-0.12	0.22	0.46	-0.46	0.70	-0.94	<.0300
High Freq	0.00	0.10	0.39	-0.27	0.36	-0.36	>.0300
Pt Heave (ft) Total	0.91	0.51	1.82	0.00	2.81	-0.98	
Low Freq	0.91	0.49	1.68	0.14	2.72	-0.89	<.0300
High Freq	0.00	0.15	0.58	-0.70	0.56	-0.56	>.0300
Pt Surge (ft) Total	1.98	2.64	5.50	-2.71	11.81	-7.85	
Low Freq	1.98	2.64	5.32	-2.59	11.79	-7.83	<.0300
High Freq	-0.00	0.15	0.46	-0.36	0.55	-0.55	>.0300
ML-1 (kips) Total	246.74	14.49	285.58	225.74	300.65	192.84	
Low Freq	246.74	14.10	276.04	227.84	299.20	194.29	<.0300
High Freq	-0.00	3.34	11.53	-13.78	12.41	-12.41	>.0300
ML-2 (kips) Total	333.91	10.07	355.59	314.73	371.39	296.44	
Low Freq	333.91	9.97	355.05	317.33	371.00	296.83	<.0300
High Freq	0.00	1.45	4.76	-5.02	5.41	-5.41	>.0300
BT-1 (kips) Total	-43.85	79.45	140.91	-252.30	251.71	-339.42	
Low Freq	-43.85	49.63	81.57	-138.48	140.78	-228.49	<.0300
High Freq	-0.00	62.04	131.57	-122.93	230.80	-230.80	>.0300
BT-2 (kips) Total	-2.98	41.65	124.47	-77.87	151.94	-157.91	
Low Freq	-2.98	24.62	68.46	-34.12	88.60	-94.57	<.0300
High Freq	0.00	33.59	60.98	-54.54	124.95	-124.95	>.0300

RESPONSE SUMMARY,

File: 352.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.27	7.79	12.68	-13.50	29.26	-28.72	Fr(Hz)
Pitch (deg) Total	0.39	1.01	1.97	-1.24	4.14	-3.37	
Low Freq	0.39	0.10	0.53	0.17	0.75	0.02	<.0300
High Freq	-0.00	1.01	1.50	-1.56	3.74	-3.74	>.0300
Pt Heave (ft) Total	1.81	2.15	5.36	-1.86	9.81	-6.19	
Low Freq	1.81	0.49	2.66	0.97	3.65	-0.03	<.0300
High Freq	-0.00	2.09	3.31	-3.17	7.79	-7.79	>.0300
Pt Surge (ft) Total	-13.20	3.37	-7.05	-20.00	-0.66	-25.73	
Low Freq	-13.20	2.65	-9.53	-16.89	-3.34	-23.05	<.0300
High Freq	-0.00	2.08	3.21	-3.45	7.75	-7.75	>.0300
ML-1 (kips) Total	283.91	17.43	319.77	251.39	348.76	219.06	
Low Freq	283.91	15.53	306.65	263.09	341.70	226.12	<.0300
High Freq	0.00	7.91	15.12	-15.28	29.43	-29.43	>.0300
ML-2 (kips) Total	356.93	10.10	377.88	333.30	394.50	319.35	
Low Freq	356.93	7.35	368.93	344.90	384.27	329.59	<.0300
High Freq	-0.00	6.93	14.17	-12.10	25.78	-25.78	>.0300
BT-1 (kips) Total	45.22	102.29	229.82	-132.35	425.73	-335.29	
Low Freq	45.22	23.64	100.05	10.81	133.15	-42.70	<.0300
High Freq	-0.00	99.52	138.65	-163.38	370.21	-370.21	>.0300
BT-2 (kips) Total	-12.38	88.53	144.22	-177.45	316.97	-341.72	
Low Freq	-12.38	19.18	32.31	-45.68	58.99	-83.74	<.0300
High Freq	-0.00	86.43	132.25	-132.17	321.52	-321.52	>.0300

RESPONSE SUMMARY,

File: 353.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.04	6.66	9.22	-9.62	24.72	-24.80	Fr(Hz)
Pitch (deg) Total	0.06	0.74	1.24	-1.04	2.81	-2.69	
Low Freq	0.06	0.08	0.42	-0.03	0.34	-0.22	<.0300
High Freq	-0.00	0.74	1.20	-1.13	2.74	-2.74	>.0300
Pt Heave (ft) Total	0.19	4.57	6.86	-6.61	17.20	-16.83	
Low Freq	0.19	0.26	1.48	-0.24	1.16	-0.78	<.0300
High Freq	-0.00	4.57	6.91	-6.87	16.99	-16.99	>.0300
Pt Surge (ft) Total	-0.40	5.11	8.25	-10.06	18.62	-19.42	
Low Freq	-0.40	1.73	2.02	-4.34	6.03	-6.83	<.0300
High Freq	-0.00	4.81	7.52	-7.68	17.90	-17.90	>.0300
ML-1 (kips) Total	236.86	21.83	277.03	200.10	318.05	155.67	
Low Freq	236.86	7.49	254.68	225.81	264.71	209.01	<.0300
High Freq	0.00	20.50	34.46	-32.80	76.26	-76.26	>.0300
ML-2 (kips) Total	325.10	20.17	359.31	288.73	400.12	250.08	
Low Freq	325.10	5.26	338.82	317.95	344.66	305.54	<.0300
High Freq	-0.00	19.47	32.25	-30.32	72.42	-72.42	>.0300
BT-1 (kips) Total	-5.40	36.34	60.86	-68.49	129.80	-140.60	
Low Freq	-5.40	6.48	10.34	-18.11	18.70	-29.49	<.0300
High Freq	-0.00	35.76	58.05	-57.76	133.03	-133.03	>.0300
BT-2 (kips) Total	0.36	58.98	91.81	-94.96	219.75	-219.03	
Low Freq	0.36	5.81	19.07	-9.96	21.96	-21.24	<.0300
High Freq	0.00	58.69	84.20	-93.83	218.33	-218.33	>.0300

RESPONSE SUMMARY,

File: 361.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	2.34	8.54	-8.88	8.81	-8.60	Fr(Hz)
Pitch (deg) Total	-0.02	0.40	1.15	-1.05	1.46	-1.50	
Low Freq	-0.02	0.38	0.97	-0.93	1.38	-1.41	<.0300
High Freq	0.00	0.13	0.47	-0.42	0.49	-0.49	>.0300
Heave (ft) Total	0.35	1.01	3.09	-2.39	4.11	-3.41	
Low Freq	0.35	0.98	3.07	-2.14	4.01	-3.32	<.0300
High Freq	0.00	0.23	0.78	-0.89	0.86	-0.86	>.0300
Surge (ft) Total	-0.91	1.86	4.03	-6.53	6.00	-7.83	
Low Freq	-0.91	1.83	3.20	-6.24	5.91	-7.74	<.0300
High Freq	0.00	0.30	1.42	-1.68	1.11	-1.11	>.0300
ML-1 (kips) Total	241.14	11.79	277.03	208.65	285.02	197.27	
Low Freq	241.14	11.45	272.05	212.93	283.72	198.57	<.0300
High Freq	0.00	2.85	12.69	-9.23	10.59	-10.59	>.0300
ML-2 (kips) Total	327.41	7.80	348.16	307.30	356.42	298.41	
Low Freq	327.41	7.65	348.30	307.36	355.86	298.96	<.0300
High Freq	-0.00	1.52	5.60	-5.11	5.65	-5.65	>.0300
BT-1 (kips) Total	-3.24	79.15	235.20	-235.62	291.22	-297.69	
Low Freq	-3.24	72.06	172.97	-192.78	264.82	-271.29	<.0300
High Freq	-0.00	32.76	108.88	-95.42	121.87	-121.87	>.0300
BT-2 (kips) Total	15.80	51.11	184.39	-142.47	205.94	-174.33	
Low Freq	15.80	44.80	173.28	-104.05	182.45	-150.85	<.0300
High Freq	-0.00	24.61	94.26	-89.91	91.54	-91.54	>.0300

RESPONSE SUMMARY,

File: 362.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.30	5.87	26.89	-18.29	22.12	-21.52	Fr(Hz)
Pitch (deg) Total	0.05	1.15	4.29	-4.99	4.32	-4.22	
Low Freq	0.05	1.02	3.64	-3.46	3.85	-3.75	<.0300
High Freq	-0.00	0.53	1.77	-1.87	1.96	-1.96	>.0300
Pt Heave (ft) Total	1.64	3.74	14.81	-8.89	15.57	-12.28	
Low Freq	1.64	3.63	12.48	-8.35	15.13	-11.84	<.0300
High Freq	0.00	0.93	3.48	-3.36	3.44	-3.44	>.0300
Pt Surge (ft) Total	-7.60	7.66	13.19	-29.45	20.89	-36.09	
Low Freq	-7.60	7.60	11.42	-27.14	20.68	-35.88	<.0300
High Freq	0.00	0.93	3.16	-2.87	3.46	-3.46	>.0300
ML-1 (kips) Total	285.46	43.69	435.17	183.00	447.97	122.94	
Low Freq	285.46	43.17	426.72	186.26	446.06	124.85	<.0300
High Freq	0.00	6.68	27.39	-39.80	24.84	-24.84	>.0300
ML-2 (kips) Total	354.10	28.63	437.31	285.02	460.60	247.61	
Low Freq	354.10	28.38	427.79	286.24	459.67	248.54	<.0300
High Freq	-0.00	3.77	15.29	-25.97	14.04	-14.04	>.0300
BT-1 (kips) Total	-6.14	210.16	695.20	-794.86	775.66	-787.94	
Low Freq	-6.14	193.56	684.46	-692.26	713.90	-726.17	<.0300
High Freq	-0.00	81.87	317.20	-260.43	304.57	-304.57	>.0300
BT-2 (kips) Total	45.73	164.05	606.65	-633.34	656.00	-564.54	
Low Freq	45.73	132.56	538.68	-307.70	538.83	-447.38	<.0300
High Freq	0.00	96.65	381.13	-475.94	359.55	-359.55	>.0300

RESPONSE SUMMARY,

File: 363.CSV

02-28-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.33	12.31	50.55	-44.94	46.11	-45.44	Fr(Hz)
Pitch (deg) Total	-0.27	1.89	5.79	-8.98	6.75	-7.28	
Low Freq	-0.27	1.33	3.55	-4.33	4.69	-5.22	<.0300
High Freq	0.00	1.34	5.28	-5.94	4.97	-4.97	>.0300
Pt Heave (ft) Total	3.41	6.17	32.03	-13.54	26.38	-19.55	
Low Freq	3.41	4.88	17.98	-9.90	21.55	-14.72	<.0300
High Freq	-0.00	3.79	16.51	-16.38	14.08	-14.08	>.0300
Pt Surge (ft) Total	-19.18	15.52	27.87	-70.39	38.56	-76.92	
Low Freq	-19.18	15.08	27.46	-62.00	36.92	-75.27	<.0300
High Freq	-0.00	3.67	17.21	-16.89	13.67	-13.67	>.0300
ML-1 (kips) Total	379.23	115.52	1721.68	148.81	808.97	-50.51	
Low Freq	379.23	110.49	1220.16	162.55	790.27	-31.81	<.0300
High Freq	0.00	33.71	560.26	-406.53	125.39	-125.39	>.0300
ML-2 (kips) Total	405.61	73.45	1384.54	236.73	678.84	132.38	
Low Freq	405.61	67.73	937.01	238.14	657.58	153.64	<.0300
High Freq	0.00	28.40	474.21	-311.19	105.66	-105.66	>.0300
BT-1 (kips) Total	-77.37	323.04	886.55	-1312.33	1124.34	-1279.07	
Low Freq	-77.37	293.74	783.94	-984.64	1015.35	-1170.08	<.0300
High Freq	-0.00	134.42	469.23	-578.60	500.06	-500.06	>.0300
BT-2 (kips) Total	60.65	254.14	812.46	-1506.68	1006.05	-884.74	
Low Freq	60.65	195.46	688.97	-398.57	787.76	-666.45	<.0300
High Freq	-0.00	162.43	733.05	-1114.47	604.23	-604.23	>.0300

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RESPONSE SUMMARY,

File: A551.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.32	5.13	8.05	-7.45	19.38	-18.75	Fr(Hz)
Pt Surge (ft) Total	9.81	9.30	24.00	-3.98	44.39	-24.77	
Low Freq	9.81	9.27	24.04	-3.43	44.31	-24.69	<.0300
High Freq	-0.00	0.64	4.23	-4.60	2.37	-2.37	>.0300
Pitch Total	-0.05	0.61	1.24	-1.42	2.20	-2.31	
Low Freq	-0.05	0.51	0.82	-0.93	1.84	-1.95	<.0300
High Freq	0.00	0.33	0.59	-0.60	1.22	-1.22	>.0300
Pt Heave (ft) Total	1.74	1.14	4.55	-1.01	6.00	-2.51	
Low Freq	1.74	1.04	4.01	-0.37	5.61	-2.13	<.0300
High Freq	0.00	0.48	0.81	-0.83	1.77	-1.77	>.0300
BT_1 (kips) Total	1879.24	144.58	2194.35	1521.28	2417.07	1341.41	
Low Freq	1879.24	98.61	2048.54	1689.37	2246.07	1512.42	<.0300
High Freq	0.00	105.73	176.53	-180.35	393.32	-393.32	>.0300
BT_3 (kips) Total	1837.60	104.95	2070.98	1596.43	2228.01	1447.20	
Low Freq	1837.60	72.78	1966.43	1703.44	2108.36	1566.84	<.0300
High Freq	-0.00	75.61	120.86	-118.85	281.26	-281.26	>.0300
ML_1 (kips) Total	325.81	53.72	413.91	241.75	525.66	125.96	
Low Freq	325.81	53.53	405.65	245.18	524.94	126.68	<.0300
High Freq	-0.00	4.54	22.67	-31.17	16.91	-16.91	>.0300

RESPONSE SUMMARY,

File: A552.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.26	5.63	8.35	-9.57	21.22	-20.70	Fr(Hz)
Pt Surge (ft) Total	-7.35	3.17	-0.98	-14.69	4.45	-19.14	
Low Freq	-7.35	3.03	-2.29	-14.67	3.91	-18.60	<.0300
High Freq	0.00	0.95	2.66	-3.13	3.52	-3.52	>.0300
Pitch Total	-0.08	0.59	1.32	-1.42	2.12	-2.28	
Low Freq	-0.08	0.23	0.44	-0.62	0.76	-0.93	<.0300
High Freq	-0.00	0.55	0.89	-0.87	2.03	-2.03	>.0300
Pt Heave (ft) Total	1.24	1.51	4.70	-2.17	6.86	-4.37	
Low Freq	1.24	0.82	2.88	-0.59	4.29	-1.80	<.0300
High Freq	-0.00	1.27	1.97	-2.58	4.72	-4.72	>.0300
BT_1 (kips) Total	1897.77	109.92	2120.43	1630.22	2306.67	1488.87	
Low Freq	1897.77	30.52	1995.12	1818.88	2011.30	1784.24	<.0300
High Freq	-0.00	105.60	153.43	-194.20	392.82	-392.82	>.0300
BT_3 (kips) Total	1861.13	91.74	2050.19	1665.71	2202.40	1519.86	
Low Freq	1861.13	29.51	1941.00	1801.36	1970.89	1751.37	<.0300
High Freq	0.00	86.86	157.94	-149.09	323.13	-323.13	>.0300
ML_1 (kips) Total	342.84	19.69	391.93	296.70	416.08	269.60	
Low Freq	342.84	17.66	384.29	306.79	408.52	277.16	<.0300
High Freq	0.00	8.71	28.75	-24.75	32.40	-32.40	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.19	8.03	12.45	-13.89	30.06	-29.68	Fr(Hz)
Pt Surge (ft) Total	-9.03	3.74	1.00	-18.11	4.87	-22.93	
Low Freq	-9.03	2.97	-2.87	-14.87	2.03	-20.09	<.0300
High Freq	0.00	2.26	3.88	-3.67	8.42	-8.42	>.0300
Pitch Total	-0.21	0.89	1.41	-1.80	3.11	-3.53	
Low Freq	-0.21	0.13	0.28	-0.54	0.26	-0.68	<.0300
High Freq	-0.00	0.88	1.33	-1.46	3.29	-3.29	>.0300
Pt Heave (ft) Total	1.20	3.06	6.91	-4.36	12.60	-10.19	
Low Freq	1.20	0.81	2.63	-0.70	4.20	-1.79	<.0300
High Freq	-0.00	2.96	4.57	-4.76	10.99	-10.99	>.0300
BT_1 (kips) Total	1866.98	123.91	2139.88	1579.64	2327.92	1406.04	
Low Freq	1866.98	34.46	1973.12	1791.07	1995.18	1738.78	<.0300
High Freq	0.00	119.02	204.51	-240.65	442.75	-442.75	>.0300
BT_3 (kips) Total	1852.62	117.10	2105.61	1662.25	2288.21	1417.02	
Low Freq	1852.62	31.07	1939.86	1772.86	1968.19	1737.05	<.0300
High Freq	0.00	112.90	201.43	-130.49	419.98	-419.98	>.0300
ML_1 (kips) Total	364.23	24.71	443.22	307.69	456.14	272.32	
Low Freq	364.23	15.61	400.54	333.40	422.29	306.17	<.0300
High Freq	0.00	19.15	44.01	-31.40	71.24	-71.24	>.0300

RESPONSE SUMMARY,

File: A554.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.18	8.32	13.86	-13.33	31.15	-30.79	Fr(Hz)
Pt Surge (ft) Total	-5.17	3.38	1.29	-11.68	7.42	-17.76	
Low Freq	-5.17	0.99	-3.06	-7.09	-1.49	-8.84	<.0300
High Freq	-0.00	3.24	5.11	-4.97	12.04	-12.04	>.0300
Pitch Total	-0.19	0.82	1.21	-1.64	2.87	-3.26	
Low Freq	-0.19	0.08	0.00	-0.39	0.10	-0.48	<.0300
High Freq	0.00	0.82	1.27	-1.33	3.05	-3.05	>.0300
Pt Heave (ft) Total	0.56	3.97	6.95	-5.89	15.33	-14.20	
Low Freq	0.56	0.41	1.48	-0.67	2.09	-0.97	<.0300
High Freq	-0.00	3.95	6.31	-6.16	14.68	-14.68	>.0300
BT_1 (kips) Total	1869.19	100.75	2069.85	1735.26	2243.97	1494.40	
Low Freq	1869.19	18.05	1915.16	1813.92	1936.32	1802.06	<.0300
High Freq	0.00	99.12	179.01	-117.52	368.72	-368.72	>.0300
BT_3 (kips) Total	1847.41	103.43	2032.88	1658.78	2232.17	1462.64	
Low Freq	1847.41	16.88	1887.32	1801.03	1910.21	1784.61	<.0300
High Freq	0.00	102.04	172.09	-164.71	379.61	-379.61	>.0300
ML_1 (kips) Total	336.00	26.46	384.61	289.37	434.44	237.56	
Low Freq	336.00	6.80	346.25	321.15	361.28	310.72	<.0300
High Freq	-0.00	25.57	41.40	-39.64	95.14	-95.14	>.0300

RESPONSE SUMMARY,

File: A555.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.06	8.46	11.92	-12.73	31.51	-31.40	Fr(Hz)
Pt Surge (ft) Total	2.43	5.83	16.92	-9.74	24.11	-19.25	
Low Freq	2.43	4.39	10.40	-3.96	18.78	-13.91	<.0300
High Freq	0.00	3.83	6.85	-6.39	14.24	-14.24	>.0300
Pitch Total	0.06	0.74	1.31	-1.13	2.80	-2.68	
Low Freq	0.06	0.06	0.19	-0.03	0.28	-0.16	<.0300
High Freq	-0.00	0.73	1.21	-1.25	2.73	-2.73	>.0300
Pt Heave (ft) Total	0.41	4.57	7.49	-6.75	17.40	-16.58	
Low Freq	0.41	0.31	1.29	-0.28	1.57	-0.76	<.0300
High Freq	0.00	4.56	6.80	-6.79	16.95	-16.95	>.0300
BT_1 (kips) Total	1881.15	65.17	1992.04	1750.83	2123.59	1638.71	
Low Freq	1881.15	11.43	1904.59	1853.58	1923.68	1838.63	<.0300
High Freq	0.00	64.16	94.18	-114.51	238.68	-238.68	>.0300
BT_3 (kips) Total	1852.35	82.94	1998.24	1696.89	2160.90	1543.81	
Low Freq	1852.35	12.00	1882.40	1828.45	1897.01	1807.70	<.0300
High Freq	-0.00	82.07	127.53	-134.50	305.30	-305.30	>.0300
ML_1 (kips) Total	312.12	40.27	395.60	223.44	461.91	162.32	
Low Freq	312.12	27.53	351.86	265.13	414.53	209.70	<.0300
High Freq	-0.00	29.39	44.83	-44.53	109.32	-109.32	>.0300

RESPONSE SUMMARY,

File: A556B.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.33	5.57	26.65	-18.65	21.04	-20.37	Fr(Hz)
Pt Surge (ft) Total	-6.16	8.37	15.68	-34.96	24.97	-37.28	
Low Freq	-6.16	8.32	15.13	-32.94	24.81	-37.12	<.0300
High Freq	0.00	0.84	7.54	-5.93	3.14	-3.14	>.0300
Pitch Total	-0.06	1.36	3.55	-3.64	4.99	-5.12	
Low Freq	-0.06	1.29	2.98	-3.35	4.73	-4.86	<.0300
High Freq	0.00	0.44	1.60	-1.49	1.62	-1.62	>.0300
Pt Heave (ft) Total	1.09	4.04	13.68	-9.26	16.13	-13.95	
Low Freq	1.09	3.93	11.92	-8.65	15.70	-13.52	<.0300
High Freq	0.00	0.96	3.69	-3.37	3.58	-3.58	>.0300
BT_1 (kips) Total	1871.24	255.59	2626.21	1132.22	2822.02	920.45	
Low Freq	1871.23	232.16	2457.84	1227.72	2734.86	1007.60	<.0300
High Freq	-0.00	106.89	428.33	-447.68	397.65	-397.65	>.0300
BT_3 (kips) Total	1846.19	196.26	2472.78	1256.98	2576.28	1116.09	
Low Freq	1846.19	177.28	2321.17	1352.05	2505.65	1186.72	<.0300
High Freq	-0.00	84.22	328.91	-319.44	313.28	-313.28	>.0300
ML_1 (kips) Total	354.42	65.36	743.58	216.11	597.57	111.27	
Low Freq	354.42	64.64	705.86	230.42	594.89	113.96	<.0300
High Freq	-0.00	9.69	66.50	-60.22	36.03	-36.03	>.0300

RESPONSE SUMMARY,

File: A557.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.08	10.82	46.64	-41.59	40.16	-40.33	Fr(Hz)
Pt Surge (ft) Total	-17.70	13.90	29.99	-55.86	34.02	-69.42	
Low Freq	-17.70	13.57	29.44	-51.34	32.76	-68.16	<.0300
High Freq	0.00	3.04	12.92	-14.29	11.33	-11.33	>.0300
Pitch Total	-0.51	1.60	4.15	-8.10	5.44	-6.45	
Low Freq	-0.51	1.17	2.97	-5.79	3.86	-4.88	<.0300
High Freq	0.00	1.08	4.24	-4.70	4.03	-4.03	>.0300
Pt Heave (ft) Total	1.86	5.91	22.41	-19.52	23.84	-20.11	
Low Freq	1.86	4.58	14.22	-11.07	18.90	-15.17	<.0300
High Freq	0.00	3.73	18.50	-16.43	13.88	-13.88	>.0300
BT_1 (kips) Total	1818.33	332.22	2820.74	494.17	3054.18	582.49	
Low Freq	1818.33	288.06	2664.55	849.38	2889.91	746.75	<.0300
High Freq	0.00	165.50	610.59	-675.97	615.65	-615.65	>.0300
BT_3 (kips) Total	1819.27	267.60	2753.35	661.20	2814.76	823.78	
Low Freq	1819.27	225.38	2459.53	1119.58	2657.68	980.86	<.0300
High Freq	-0.00	144.28	737.71	-469.56	536.72	-536.72	>.0300
ML_1 (kips) Total	465.27	169.17	1424.88	139.19	1094.57	-164.04	
Low Freq	465.27	156.74	1192.36	143.35	1048.32	-117.79	<.0300
High Freq	-0.00	63.65	404.83	-343.31	236.79	-236.79	>.0300

RESPONSE SUMMARY,

File: A581.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.27	5.46	8.11	-8.96	20.60	-20.06	Fr(Hz)
Pt Surge (ft) Total	-3.62	5.66	5.64	-12.22	17.44	-24.69	
Low Freq	-3.62	5.65	5.30	-11.60	17.39	-24.64	<.0300
High Freq	0.00	0.41	3.57	-2.19	1.54	-1.54	>.0300
Pitch Total	0.06	0.42	0.94	-0.71	1.63	-1.50	
Low Freq	0.06	0.13	0.37	-0.18	0.54	-0.41	<.0300
High Freq	-0.00	0.40	0.62	-0.65	1.49	-1.49	>.0300
Pt Heave (ft) Total	0.71	0.85	2.59	-1.13	3.87	-2.46	
Low Freq	0.71	0.68	1.95	-0.46	3.22	-1.81	<.0300
High Freq	-0.00	0.52	0.92	-0.96	1.92	-1.92	>.0300
BT_1 (kips) Total	335.69	1.74	338.55	330.77	342.15	329.23	
Low Freq	335.69	0.26	336.42	335.12	336.66	334.72	<.0300
High Freq	0.00	1.72	3.43	-5.27	6.38	-6.38	>.0300
BT_3 (kips) Total	269.94	0.83	273.26	266.33	273.01	266.86	
Low Freq	269.93	0.19	270.37	269.40	270.62	269.24	<.0300
High Freq	0.00	0.81	3.71	-3.64	3.00	-3.00	>.0300
ML_1 (kips) Total	282.53	27.33	329.67	234.43	384.21	180.85	
Low Freq	282.53	27.12	322.83	240.06	383.40	181.65	<.0300
High Freq	0.00	3.44	9.38	-15.05	12.80	-12.80	>.0300

RESPONSE SUMMARY,

File: A582.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.17	5.84	8.54	-8.66	21.89	-21.56	Fr(Hz)
Pt Surge (ft) Total	-7.16	5.81	3.08	-17.12	14.46	-28.79	
Low Freq	-7.16	5.71	1.91	-15.69	14.07	-28.39	<.0300
High Freq	0.00	1.10	3.51	-3.85	4.10	-4.10	>.0300
Pitch Total	0.01	0.62	1.08	-1.07	2.31	-2.29	
Low Freq	0.01	0.07	0.15	-0.22	0.27	-0.24	<.0300
High Freq	0.00	0.61	0.95	-0.97	2.28	-2.28	>.0300
Pt Heave (ft) Total	0.52	1.45	3.32	-2.27	5.93	-4.89	
Low Freq	0.52	0.38	1.26	-0.25	1.94	-0.90	<.0300
High Freq	-0.00	1.40	2.25	-2.08	5.22	-5.22	>.0300
BT_1 (kips) Total	335.57	1.67	338.55	330.77	341.77	329.37	
Low Freq	335.57	0.33	336.45	334.66	336.79	334.35	<.0300
High Freq	0.00	1.63	3.81	-5.16	6.08	-6.08	>.0300
BT_3 (kips) Total	270.25	1.18	273.26	269.79	274.63	265.88	
Low Freq	270.25	0.27	271.11	269.81	271.25	269.25	<.0300
High Freq	0.00	1.14	3.44	-1.31	4.26	-4.26	>.0300
ML_1 (kips) Total	278.56	28.36	336.99	223.44	384.04	173.07	
Low Freq	278.56	26.85	321.82	234.11	378.43	178.68	<.0300
High Freq	0.00	9.12	20.48	-22.06	33.94	-33.94	>.0300

RESPONSE SUMMARY,

File: A583.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	8.02	12.38	-12.75	29.93	-29.71	Fr(Hz)
Pt Surge (ft) Total	-2.09	3.40	5.29	-9.98	10.54	-14.73	
Low Freq	-2.09	2.21	1.55	-5.71	6.14	-10.32	<.0300
High Freq	0.00	2.58	4.39	-4.39	9.58	-9.58	>.0300
Pitch Total	-0.04	0.92	1.36	-1.45	3.40	-3.48	
Low Freq	-0.04	0.06	0.12	-0.20	0.18	-0.27	<.0300
High Freq	0.00	0.92	1.39	-1.41	3.43	-3.43	>.0300
Pt Heave (ft) Total	0.46	3.16	5.99	-4.75	12.23	-11.31	
Low Freq	0.46	0.54	1.49	-0.57	2.47	-1.56	<.0300
High Freq	0.00	3.12	4.79	-4.81	11.60	-11.60	>.0300
BT_1 (kips) Total	335.49	1.63	338.55	330.77	341.56	329.42	
Low Freq	335.49	0.33	336.25	334.67	336.71	334.27	<.0300
High Freq	0.00	1.60	3.87	-5.16	5.95	-5.95	>.0300
BT_3 (kips) Total	270.20	1.15	273.26	266.33	274.48	265.91	
Low Freq	270.19	0.26	270.99	269.40	271.17	269.22	<.0300
High Freq	-0.00	1.12	3.42	-3.81	4.17	-4.17	>.0300
ML_1 (kips) Total	281.71	21.29	329.67	238.09	360.91	202.50	
Low Freq	281.71	10.11	300.38	264.84	319.33	244.08	<.0300
High Freq	-0.00	18.74	29.99	-30.64	69.70	-69.70	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	8.48	13.03	-13.55	31.66	-31.46	Fr(Hz)
Pt Surge (ft) Total	-3.67	4.40	7.82	-11.58	12.70	-20.05	
Low Freq	-3.67	2.59	2.46	-6.49	5.95	-13.29	<.0300
High Freq	0.00	3.56	6.05	-5.81	13.25	-13.25	>.0300
Pitch Total	-0.01	0.89	1.37	-1.41	3.32	-3.33	
Low Freq	-0.01	0.06	0.13	-0.12	0.20	-0.22	<.0300
High Freq	-0.00	0.89	1.35	-1.35	3.32	-3.32	>.0300
Pt Heave (ft) Total	0.41	3.90	6.80	-5.67	14.92	-14.10	
Low Freq	0.41	0.30	1.04	-0.19	1.51	-0.69	<.0300
High Freq	0.00	3.89	5.95	-6.02	14.47	-14.47	>.0300
BT_1 (kips) Total	336.07	1.89	338.55	330.77	343.08	329.05	
Low Freq	336.07	0.40	337.22	335.04	337.55	334.59	<.0300
High Freq	-0.00	1.84	3.40	-5.11	6.86	-6.86	>.0300
BT_3 (kips) Total	269.30	1.23	273.26	266.33	273.88	264.72	
Low Freq	269.30	0.34	269.95	268.12	270.55	268.04	<.0300
High Freq	-0.00	1.18	3.50	-3.60	4.40	-4.40	>.0300
ML_1 (kips) Total	281.54	26.82	333.33	219.78	381.30	181.78	
Low Freq	281.54	11.25	297.91	254.57	323.40	239.67	<.0300
High Freq	0.00	24.34	40.20	-38.37	90.55	-90.55	>.0300

RESPONSE SUMMARY, File: A585.CSV 04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.03	8.34	11.70	-13.25	31.05	-30.98	Fr(Hz)
Pt Surge (ft) Total	2.63	6.08	16.47	-9.74	25.27	-20.00	
Low Freq	2.63	4.49	10.79	-4.40	19.33	-14.06	<.0300
High Freq	-0.00	4.11	7.00	-7.31	15.29	-15.29	>.0300
Pitch Total	-0.07	0.78	1.25	-1.33	2.83	-2.96	
Low Freq	-0.07	0.04	0.05	-0.15	0.10	-0.23	<.0300
High Freq	-0.00	0.78	1.26	-1.29	2.89	-2.89	>.0300
Pt Heave (ft) Total	0.29	4.37	7.18	-6.47	16.56	-15.99	
Low Freq	0.29	0.19	0.69	-0.11	1.00	-0.43	<.0300
High Freq	0.00	4.37	6.72	-6.53	16.26	-16.26	>.0300
BT_1 (kips) Total	334.83	0.93	338.55	330.77	338.27	331.39	
Low Freq	334.83	0.18	335.27	334.29	335.49	334.17	<.0300
High Freq	0.00	0.91	3.91	-4.03	3.38	-3.38	>.0300
BT_3 (kips) Total	269.85	0.67	273.26	266.33	272.36	267.34	
Low Freq	269.85	0.16	270.25	269.49	270.45	269.25	<.0300
High Freq	-0.00	0.65	3.56	-3.52	2.43	-2.43	>.0300
ML_1 (kips) Total	276.28	33.76	347.98	201.46	401.85	150.70	
Low Freq	276.28	20.28	310.87	239.91	351.71	200.85	<.0300
High Freq	0.00	26.99	42.82	-41.27	100.40	-100.40	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.29	5.52	22.86	-19.89	20.82	-20.23	Fr (Hz)
Pt Surge (ft) Total	-2.58	6.18	15.19	-18.52	20.40	-25.56	
Low Freq	-2.58	6.12	14.08	-16.17	20.20	-25.36	<.0300
High Freq	0.00	0.82	2.63	-3.41	3.06	-3.06	>.0300
Pitch Total	-0.11	0.73	2.17	-2.44	2.61	-2.83	
Low Freq	-0.11	0.58	1.29	-1.64	2.04	-2.27	<.0300
High Freq	0.00	0.44	1.51	-1.45	1.65	-1.65	>.0300
Pt Heave (ft) Total	0.33	2.82	10.24	-7.22	10.81	-10.15	
Low Freq	0.33	2.63	7.84	-6.72	10.10	-9.43	<.0300
High Freq	-0.00	1.02	4.05	-3.67	3.80	-3.80	>.0300
BT_1 (kips) Total	334.06	1.51	338.55	330.77	339.67	328.45	
Low Freq	334.06	0.46	335.26	332.62	335.76	332.35	<.0300
High Freq	0.00	1.44	5.16	-4.17	5.35	-5.35	>.0300
BT_3 (kips) Total	268.26	1.73	273.26	262.86	274.69	261.82	
Low Freq	268.26	0.98	270.01	266.17	271.91	264.61	<.0300
High Freq	0.00	1.42	3.74	-4.62	5.30	-5.30	>.0300
ML_1 (kips) Total	300.17	32.31	391.93	212.45	420.37	179.97	
Low Freq	300.17	31.66	375.94	223.71	417.96	182.38	<.0300
High Freq	0.00	6.45	24.37	-21.50	23.98	-23.98	>.0300

RESPONSE SUMMARY,

File: A587.CSV

04-23-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.05	10.73	51.07	-41.28	39.87	-39.97	Fr(Hz)
Pt Surge (ft) Total	-11.62	12.57	25.49	-51.31	35.15	-58.39	
Low Freq	-11.62	12.16	25.03	-45.78	33.64	-56.87	<.0300
High Freq	0.00	3.18	14.91	-14.99	11.82	-11.82	>.0300
Pitch Total	-0.17	1.44	7.12	-6.38	5.19	-5.54	
Low Freq	-0.17	0.99	4.03	-3.36	3.51	-3.86	<.0300
High Freq	-0.00	1.05	4.09	-4.60	3.89	-3.89	>.0300
Pt Heave (ft) Total	0.70	5.96	26.65	-19.29	22.87	-21.46	
Low Freq	0.70	4.59	13.19	-11.09	17.78	-16.38	<.0300
High Freq	-0.00	3.80	19.24	-17.03	14.12	-14.12	>.0300
BT_1 (kips) Total	334.25	1.73	338.55	330.77	340.68	327.83	
Low Freq	334.25	0.56	335.84	332.69	336.33	332.17	<.0300
High Freq	0.00	1.63	5.51	-4.36	6.08	-6.08	>.0300
BT_3 (kips) Total	267.39	1.61	269.79	262.86	273.38	261.40	
Low Freq	267.40	0.63	269.11	266.01	269.74	265.05	<.0300
High Freq	0.00	1.48	3.46	-4.14	5.51	-5.51	>.0300
ML_1 (kips) Total	346.84	105.00	1065.92	120.88	737.45	-43.77	
Low Freq	346.84	96.81	836.07	123.23	706.99	-13.31	<.0300
High Freq	0.00	40.65	325.03	-242.43	151.23	-151.23	>.0300

RESPONSE SUMMARY, File: A593.CSV 04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.18	5.50	8.28	-8.49	20.63	-20.27	Fr (Hz)
Pt Surge (ft) Total	0.68	1.74	5.06	-2.72	7.15	-5.79	
Low Freq	0.68	1.65	4.88	-1.85	6.83	-5.46	<.0300
High Freq	-0.00	0.54	1.33	-2.18	2.01	-2.01	>.0300
Pitch Total	-0.02	0.42	1.03	-0.82	1.55	-1.58	
Low Freq	-0.02	0.15	0.48	-0.39	0.54	-0.57	<.0300
High Freq	0.00	0.39	0.66	-0.72	1.46	-1.46	>.0300
Pt Heave (ft) Total	0.76	1.00	3.16	-1.89	4.47	-2.95	
Low Freq	0.76	0.85	2.42	-0.98	3.94	-2.42	<.0300
High Freq	-0.00	0.51	0.96	-0.96	1.91	-1.91	>.0300
BT_1 (kips) Total	1477.93	116.81	1708.03	1221.71	1912.48	1043.38	
Low Freq	1477.92	41.39	1564.53	1382.14	1631.88	1323.97	<.0300
High Freq	-0.00	109.24	171.21	-187.01	406.36	-406.36	>.0300
BT_3 (kips) Total	1425.06	91.85	1606.83	1229.27	1766.75	1083.36	
Low Freq	1425.06	38.86	1500.42	1344.92	1569.62	1280.50	<.0300
High Freq	0.00	83.23	130.54	-134.03	309.61	-309.61	>.0300
ML_1 (kips) Total	317.87	11.65	340.65	285.71	361.20	274.53	
Low Freq	317.87	11.02	336.34	289.03	358.87	276.86	<.0300
High Freq	0.00	3.77	13.99	-12.33	14.01	-14.01	>.0300

RESPONSE SUMMARY,

File: A594.CSV

04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.15	5.73	7.92	-9.03	21.47	-21.18	Fr(Hz)
Pt Surge (ft) Total	-0.85	1.94	4.08	-5.36	6.38	-8.08	
Low Freq	-0.85	1.54	2.39	-3.51	4.89	-6.59	<.0300
High Freq	-0.00	1.18	1.95	-1.88	4.39	-4.39	>.0300
Pitch Total	0.26	0.67	1.76	-1.10	2.76	-2.24	
Low Freq	0.26	0.25	0.97	-0.38	1.21	-0.68	<.0300
High Freq	-0.00	0.62	0.98	-0.95	2.32	-2.32	>.0300
Pt Heave (ft) Total	1.01	1.50	4.28	-2.30	6.61	-4.58	
Low Freq	1.01	0.59	2.37	-0.65	3.20	-1.18	<.0300
High Freq	-0.00	1.38	2.11	-2.18	5.15	-5.15	>.0300
BT_1 (kips) Total	1520.97	116.03	1723.59	1252.83	1952.62	1089.32	
Low Freq	1520.96	38.35	1577.97	1416.64	1663.63	1378.30	<.0300
High Freq	-0.00	109.51	167.23	-183.35	407.39	-407.39	>.0300
BT_3 (kips) Total	1456.70	88.70	1641.46	1246.59	1786.65	1126.75	
Low Freq	1456.70	29.41	1527.41	1381.47	1566.10	1347.29	<.0300
High Freq	-0.00	83.68	135.68	-144.45	311.28	-311.28	>.0300
ML_1 (kips) Total	314.48	13.18	344.32	278.38	363.50	265.45	
Low Freq	314.48	9.85	333.54	290.68	351.11	277.85	<.0300
High Freq	0.00	8.76	15.85	-15.10	32.58	-32.58	>.0300

RESPONSE SUMMARY,

File: A595.CSV

04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	8.03	12.89	-12.97	29.96	-29.76	Fr (Hz)
Pt Surge (ft) Total	-2.86	2.63	3.14	-8.92	6.92	-12.64	
Low Freq	-2.86	1.35	-0.01	-5.71	2.15	-7.88	<.0300
High Freq	0.00	2.26	3.97	-4.09	8.40	-8.40	>.0300
Pitch Total	-0.11	2.54	5.17	-5.66	9.35	-9.57	
Low Freq	-0.11	2.39	3.92	-4.53	8.78	-9.00	<.0300
High Freq	0.00	0.87	1.46	-1.50	3.23	-3.23	>.0300
Pt Heave (ft) Total	1.98	3.47	9.70	-5.20	14.91	-10.94	
Low Freq	1.98	1.66	5.23	-1.36	8.16	-4.19	<.0300
High Freq	-0.00	3.05	4.61	-4.48	11.35	-11.35	>.0300
BT_1 (kips) Total	1544.15	403.81	2396.66	443.59	3046.34	41.97	
Low Freq	1544.16	377.28	2232.06	850.66	2947.63	140.68	<.0300
High Freq	-0.00	143.97	361.24	-407.07	535.57	-535.57	>.0300
BT_3 (kips) Total	1448.82	320.03	2226.85	602.32	2639.33	258.31	
Low Freq	1448.82	293.60	2093.65	847.21	2541.01	356.62	<.0300
High Freq	-0.00	127.34	323.85	-410.95	473.72	-473.72	>.0300
ML_1 (kips) Total	330.58	20.66	377.28	285.71	407.44	253.73	
Low Freq	330.58	8.87	350.19	309.72	363.58	297.59	<.0300
High Freq	0.00	18.66	32.71	-30.75	69.41	-69.41	>.0300

RESPONSE SUMMARY,

File: A596.CSV

04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	8.59	13.20	-14.72	32.08	-31.85	Fr(Hz)
Pt Surge (ft) Total	-4.07	3.57	4.70	-12.52	9.22	-17.37	
Low Freq	-4.07	2.08	1.19	-8.43	3.66	-11.81	<.0300
High Freq	-0.00	2.91	5.43	-4.98	10.81	-10.81	>.0300
Pitch Total	-0.12	3.18	5.68	-6.25	11.72	-11.97	
Low Freq	-0.12	3.07	5.35	-5.88	11.31	-11.56	<.0300
High Freq	0.00	0.83	1.75	-1.93	3.08	-3.08	>.0300
Pt Heave (ft) Total	2.33	4.15	11.43	-6.44	17.75	-13.09	
Low Freq	2.33	1.64	6.17	-1.77	8.44	-3.77	<.0300
High Freq	0.00	3.81	5.92	-5.90	14.16	-14.16	>.0300
BT_1 (kips) Total	1567.70	430.45	2431.68	575.87	3168.96	-33.56	
Low Freq	1567.70	408.16	2369.17	841.37	3086.06	49.34	<.0300
High Freq	-0.00	136.71	351.49	-388.39	508.55	-508.55	>.0300
BT_3 (kips) Total	1475.51	331.68	2164.50	681.99	2709.38	241.65	
Low Freq	1475.51	307.65	2052.59	942.32	2619.96	331.07	<.0300
High Freq	0.00	123.97	326.77	-343.65	461.16	-461.16	>.0300
ML_1 (kips) Total	335.42	25.92	391.93	271.06	431.86	238.98	
Low Freq	335.42	11.42	354.42	300.41	377.88	292.95	<.0300
High Freq	0.00	23.28	47.20	-39.29	86.59	-86.59	>.0300

RESPONSE SUMMARY,

File: A597.CSV

04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.03	8.37	11.54	-12.68	31.11	-31.17	Fr(Hz)
Pt Surge (ft) Total	-3.00	3.46	3.42	-9.03	9.85	-15.86	
Low Freq	-3.00	0.70	-1.43	-4.05	-0.41	-5.60	<.0300
High Freq	-0.00	3.38	5.31	-5.32	12.59	-12.59	>.0300
Pitch Total	-0.07	0.81	1.70	-1.61	2.94	-3.08	
Low Freq	-0.07	0.26	0.60	-0.63	0.90	-1.04	<.0300
High Freq	0.00	0.77	1.20	-1.22	2.85	-2.85	>.0300
Pt Heave (ft) Total	2.34	4.43	10.06	-5.18	18.82	-14.14	
Low Freq	2.34	0.93	4.05	0.47	5.81	-1.13	<.0300
High Freq	-0.00	4.33	6.72	-6.42	16.11	-16.11	>.0300
BT_1 (kips) Total	1562.47	89.08	1766.39	1307.30	1893.84	1231.10	
Low Freq	1562.47	33.84	1623.57	1486.24	1688.33	1436.60	<.0300
High Freq	-0.00	82.40	160.20	-182.49	306.54	-306.54	>.0300
BT_3 (kips) Total	1480.16	109.04	1710.74	1205.02	1885.80	1074.52	
Low Freq	1480.16	37.70	1538.66	1409.49	1620.39	1339.93	<.0300
High Freq	-0.00	102.32	189.96	-211.79	380.63	-380.63	>.0300
ML_1 (kips) Total	330.36	26.39	377.28	278.38	428.52	232.21	
Low Freq	330.36	5.83	339.83	315.55	352.05	308.67	<.0300
High Freq	0.00	25.73	40.13	-38.94	95.73	-95.73	>.0300

RESPONSE SUMMARY, File: A598.CSV 04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.25	5.52	23.90	-17.58	20.78	-20.28	Fr(Hz)
Pt Surge (ft) Total	-3.22	5.39	12.19	-19.20	16.82	-23.27	
Low Freq	-3.22	5.33	11.12	-17.72	16.61	-23.05	<.0300
High Freq	0.00	0.78	2.61	-2.94	2.91	-2.91	>.0300
Pitch Total	0.05	1.10	3.27	-3.19	4.14	-4.05	
Low Freq	0.05	1.02	3.01	-2.50	3.83	-3.73	<.0300
High Freq	0.00	0.42	1.53	-1.72	1.58	-1.58	>.0300
Pt Heave (ft) Total	0.75	3.39	11.95	-8.15	13.35	-11.84	
Low Freq	0.75	3.24	9.66	-7.98	12.80	-11.29	<.0300
High Freq	0.00	0.99	3.74	-3.46	3.67	-3.67	>.0300
BT_1 (kips) Total	1498.54	222.31	2182.68	665.36	2325.53	671.55	
Low Freq	1498.54	196.13	2100.70	958.28	2228.15	768.93	<.0300
High Freq	0.00	104.66	478.14	-379.31	389.32	-389.32	>.0300
BT_3 (kips) Total	1416.25	175.54	1946.28	799.76	2069.27	763.23	
Low Freq	1416.25	153.12	1847.15	1004.43	1985.84	846.65	<.0300
High Freq	0.00	85.85	386.69	-379.85	319.37	-319.37	>.0300
ML_1 (kips) Total	326.30	32.16	428.56	241.75	445.93	206.68	
Low Freq	326.30	31.52	407.96	255.96	443.54	209.06	<.0300
High Freq	0.00	6.39	24.38	-22.30	23.76	-23.76	>.0300

RESPONSE SUMMARY,

File: A599.CSV

04-24-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.07	10.73	48.74	-40.34	39.84	-39.98	Fr (Hz)
Pt Surge (ft) Total	-12.12	13.03	33.52	-55.08	36.36	-60.60	
Low Freq	-12.12	12.70	31.78	-50.80	35.11	-59.35	<.0300
High Freq	-0.00	2.94	12.39	-13.29	10.93	-10.93	>.0300
Pitch Total	-0.32	2.36	7.11	-8.82	8.45	-9.10	
Low Freq	-0.32	2.10	5.52	-6.78	7.49	-8.13	<.0300
High Freq	-0.00	1.08	4.36	-4.64	4.00	-4.00	>.0300
Pt Heave (ft) Total	3.13	6.82	30.26	-18.97	28.50	-22.25	
Low Freq	3.13	5.64	18.60	-10.72	24.09	-17.84	<.0300
High Freq	-0.00	3.84	19.43	-17.22	14.29	-14.29	>.0300
BT_1 (kips) Total	1510.56	423.97	2704.02	23.41	3087.73	-66.62	
Low Freq	1510.56	376.21	2366.34	678.84	2910.06	111.06	<.0300
High Freq	0.00	195.50	754.07	-878.28	727.25	-727.25	>.0300
BT_3 (kips) Total	1425.32	348.53	2528.20	103.53	2721.83	128.80	
Low Freq	1425.32	299.43	2231.22	747.89	2539.18	311.45	<.0300
High Freq	-0.00	178.36	845.09	-672.50	663.51	-663.51	>.0300
ML_1 (kips) Total	398.21	127.99	1432.21	135.53	874.33	-77.91	
Low Freq	398.21	119.59	1181.45	141.58	843.07	-46.65	<.0300
High Freq	0.00	45.61	388.39	-304.68	169.67	-169.67	>.0300

RESPONSE SUMMARY,

File: A603.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.40	5.43	8.46	-8.32	20.61	-19.80	Fr(Hz)
Pt Surge (ft) Total	-15.71	12.34	5.43	-37.90	30.18	-61.60	
Low Freq	-15.71	12.30	5.42	-38.37	30.06	-61.48	<.0300
High Freq	-0.00	0.87	7.36	-6.90	3.25	-3.25	>.0300
Pitch Total	0.01	0.48	1.15	-1.50	1.79	-1.77	
Low Freq	0.01	0.30	0.60	-0.90	1.12	-1.11	<.0300
High Freq	-0.00	0.37	0.66	-0.68	1.39	-1.39	>.0300
Pt Heave (ft) Total	1.75	1.13	4.56	-0.57	5.93	-2.44	
Low Freq	1.75	0.97	3.63	-0.01	5.34	-1.85	<.0300
High Freq	-0.00	0.58	1.29	-1.11	2.14	-2.14	>.0300
BT_1 (kips) Total	1685.82	62.52	1883.11	1470.70	1918.39	1453.25	
Low Freq	1685.82	42.63	1789.14	1551.44	1844.39	1527.26	<.0300
High Freq	0.00	45.74	96.33	-101.52	170.13	-170.13	>.0300
BT_3 (kips) Total	1583.82	45.06	1710.74	1444.03	1751.46	1416.19	
Low Freq	1583.82	39.49	1668.00	1477.36	1730.72	1436.93	<.0300
High Freq	0.00	21.71	51.43	-38.67	80.77	-80.77	>.0300
ML_1 (kips) Total	313.98	75.00	498.16	201.46	592.98	34.99	
Low Freq	313.98	74.68	486.51	203.67	591.79	36.17	<.0300
High Freq	0.00	6.90	50.76	-43.58	25.67	-25.67	>.0300

RESPONSE SUMMARY,

File: A604.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.07	5.45	7.52	-8.77	20.34	-20.20	Fr(Hz)
Pt Surge (ft) Total	5.83	6.76	19.02	-8.06	30.96	-19.30	
Low Freq	5.83	6.68	16.90	-6.50	30.68	-19.02	<.0300
High Freq	0.00	1.01	5.42	-5.31	3.75	-3.75	>.0300
Pitch Total	-0.20	0.69	1.33	-1.78	2.35	-2.75	
Low Freq	-0.20	0.37	0.46	-0.90	1.18	-1.57	<.0300
High Freq	0.00	0.58	0.97	-1.09	2.15	-2.15	>.0300
Pt Heave (ft) Total	1.11	1.56	4.59	-2.12	6.89	-4.68	
Low Freq	1.11	0.84	2.71	-0.72	4.22	-2.00	<.0300
High Freq	0.00	1.31	2.20	-2.02	4.88	-4.88	>.0300
BT_1 (kips) Total	1687.64	64.08	1871.44	1517.39	1926.03	1449.25	
Low Freq	1687.64	44.08	1795.71	1579.16	1851.62	1523.67	<.0300
High Freq	-0.00	46.52	95.34	-77.49	173.04	-173.04	>.0300
BT_3 (kips) Total	1601.04	50.60	1741.92	1475.20	1789.27	1412.80	
Low Freq	1601.04	34.41	1684.48	1523.19	1729.05	1473.02	<.0300
High Freq	-0.00	37.10	72.08	-65.14	138.00	-138.00	>.0300
ML_1 (kips) Total	311.42	39.76	391.93	230.76	459.34	163.50	
Low Freq	311.42	38.85	377.67	243.03	455.94	166.90	<.0300
High Freq	-0.00	8.48	22.75	-30.60	31.54	-31.54	>.0300

RESPONSE SUMMARY,

File: A605.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.06	7.71	12.72	-12.60	28.75	-28.63	Fr(Hz)
Pt Surge (ft) Total	-1.21	3.24	5.76	-9.00	10.85	-13.26	
Low Freq	-1.21	2.34	2.48	-6.02	7.48	-9.90	<.0300
High Freq	-0.00	2.25	3.70	-3.53	8.36	-8.36	>.0300
Pitch Total	-0.71	0.94	1.13	-2.49	2.77	-4.19	
Low Freq	-0.71	0.23	-0.10	-1.19	0.15	-1.57	<.0300
High Freq	-0.00	0.91	1.33	-1.40	3.37	-3.37	>.0300
Pt Heave (ft) Total	1.17	3.06	7.16	-4.56	12.56	-10.21	
Low Freq	1.17	0.76	3.05	-0.85	4.00	-1.66	<.0300
High Freq	0.00	2.96	4.70	-4.36	11.03	-11.03	>.0300
BT_1 (kips) Total	1659.70	72.43	1859.76	1509.61	1929.15	1390.25	
Low Freq	1659.70	25.24	1753.28	1588.82	1753.60	1565.81	<.0300
High Freq	0.00	67.89	152.90	-123.80	252.56	-252.56	>.0300
BT_3 (kips) Total	1574.08	62.26	1721.13	1444.03	1805.68	1342.49	
Low Freq	1574.09	20.22	1649.24	1524.02	1649.30	1498.87	<.0300
High Freq	-0.00	58.88	96.72	-111.15	219.04	-219.04	>.0300
ML_1 (kips) Total	325.19	21.70	369.96	278.38	405.91	244.47	
Low Freq	325.19	12.14	346.69	302.27	370.34	280.04	<.0300
High Freq	0.00	17.99	29.17	-28.73	66.91	-66.91	>.0300

RESPONSE SUMMARY,

File: A606.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.14	8.32	12.60	-12.53	31.08	-30.81	Fr(Hz)
Pt Surge (ft) Total	-1.28	3.36	5.14	-7.86	11.23	-13.80	
Low Freq	-1.28	0.91	1.11	-3.18	2.11	-4.68	<.0300
High Freq	-0.00	3.24	5.22	-4.89	12.04	-12.04	>.0300
Pitch Total	-0.66	0.86	1.06	-2.13	2.55	-3.87	
Low Freq	-0.66	0.15	-0.15	-0.93	-0.11	-1.21	<.0300
High Freq	0.00	0.85	1.26	-1.28	3.16	-3.16	>.0300
Pt Heave (ft) Total	0.54	3.85	6.85	-5.41	14.84	-13.77	
Low Freq	0.54	0.33	1.50	-0.33	1.77	-0.69	<.0300
High Freq	-0.00	3.83	6.00	-5.65	14.25	-14.25	>.0300
BT_1 (kips) Total	1650.78	52.18	1754.72	1529.06	1844.87	1456.69	
Low Freq	1650.79	9.79	1686.10	1633.92	1687.19	1614.38	<.0300
High Freq	-0.00	51.25	85.24	-116.03	190.65	-190.65	>.0300
BT_3 (kips) Total	1573.77	59.17	1672.64	1447.49	1793.87	1353.67	
Low Freq	1573.77	11.62	1606.39	1540.96	1617.00	1530.54	<.0300
High Freq	0.00	58.01	82.23	-103.47	215.82	-215.82	>.0300
ML_1 (kips) Total	307.36	25.08	355.30	256.41	400.67	214.04	
Low Freq	307.36	6.13	318.98	287.48	330.14	284.57	<.0300
High Freq	0.00	24.32	44.97	-37.56	90.49	-90.49	>.0300

RESPONSE SUMMARY,

File: A607.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.05	8.39	12.54	-13.26	31.26	-31.16	Fr(Hz)
Pt Surge (ft) Total	-1.23	3.67	6.30	-7.05	12.41	-14.87	
Low Freq	-1.23	0.68	0.57	-1.92	1.29	-3.74	<.0300
High Freq	-0.00	3.60	5.73	-5.81	13.40	-13.40	>.0300
Pitch Total	-0.01	0.71	1.33	-1.23	2.61	-2.64	
Low Freq	-0.01	0.08	0.18	-0.23	0.28	-0.30	<.0300
High Freq	-0.00	0.70	1.17	-1.12	2.61	-2.61	>.0300
Pt Heave (ft) Total	0.49	4.32	7.65	-5.99	16.58	-15.59	
Low Freq	0.49	0.28	0.96	-0.12	1.55	-0.57	<.0300
High Freq	0.00	4.31	6.81	-6.27	16.05	-16.05	>.0300
BT_1 (kips) Total	1676.31	34.19	1743.05	1599.09	1803.50	1549.11	
Low Freq	1676.31	8.43	1701.86	1657.93	1707.67	1644.96	<.0300
High Freq	0.00	33.14	58.58	-74.98	123.27	-123.27	>.0300
BT_3 (kips) Total	1587.60	36.29	1669.17	1520.23	1722.60	1452.60	
Low Freq	1587.60	8.81	1616.24	1571.03	1620.36	1554.85	<.0300
High Freq	-0.00	35.21	70.82	-55.08	130.96	-130.96	>.0300
ML_1 (kips) Total	294.98	28.96	340.65	241.75	402.71	187.24	
Low Freq	294.98	4.51	300.31	284.08	311.75	278.20	<.0300
High Freq	0.00	28.61	44.16	-43.29	106.42	-106.42	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.12	5.40	22.29	-20.52	19.97	-20.21	Fr (Hz)
Pt Surge (ft) Total	-12.17	7.90	8.30	-35.21	17.23	-41.58	
Low Freq	-12.17	7.86	7.49	-33.84	17.05	-41.40	<.0300
High Freq	-0.00	0.87	6.71	-6.67	3.23	-3.23	>.0300
Pitch Total	-0.10	1.18	3.31	-4.29	4.31	-4.50	
Low Freq	-0.10	1.10	2.80	-3.28	4.00	-4.19	<.0300
High Freq	0.00	0.43	1.45	-1.55	1.61	-1.61	>.0300
Pt Heave (ft) Total	0.83	4.30	12.22	-9.71	16.81	-15.15	
Low Freq	0.83	4.19	10.67	-8.35	16.42	-14.76	<.0300
High Freq	0.00	0.94	3.42	-3.37	3.51	-3.51	>.0300
BT_1 (kips) Total	1666.66	216.38	2314.96	929.91	2471.60	861.72	
Low Freq	1666.66	209.53	2207.45	1050.88	2446.10	887.22	<.0300
High Freq	0.00	54.03	256.52	-282.36	201.00	-201.00	>.0300
BT_3 (kips) Total	1566.65	187.46	2098.69	976.41	2263.99	869.30	
Low Freq	1566.65	182.54	1998.02	1069.52	2245.68	887.61	<.0300
High Freq	-0.00	42.68	221.91	-193.52	158.78	-158.78	>.0300
ML_1 (kips) Total	322.04	48.94	512.81	186.81	504.08	140.00	
Low Freq	322.04	48.27	467.68	200.95	501.61	142.46	<.0300
High Freq	-0.00	8.02	63.41	-46.56	29.85	-29.85	>.0300

RESPONSE SUMMARY,

File: A609.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.31	10.90	48.57	-42.15	40.22	-40.84	Fr(Hz)
Pt Surge (ft) Total	-17.59	13.57	29.86	-56.78	32.87	-68.06	
Low Freq	-17.59	13.22	28.26	-52.07	31.60	-66.78	<.0300
High Freq	-0.00	3.03	13.55	-14.50	11.26	-11.26	>.0300
Pitch Total	-0.85	2.31	5.51	-9.37	7.73	-9.43	
Low Freq	-0.85	2.02	4.72	-7.29	6.69	-8.38	<.0300
High Freq	0.00	1.10	4.64	-4.91	4.11	-4.11	>.0300
Pt Heave (ft) Total	2.16	6.37	27.22	-13.64	25.87	-21.56	
Low Freq	2.16	5.13	15.00	-10.00	21.24	-16.93	<.0300
High Freq	0.00	3.78	19.76	-17.45	14.07	-14.07	>.0300
BT_1 (kips) Total	1608.65	313.30	2688.46	350.22	2774.14	443.17	
Low Freq	1608.65	288.40	2423.52	817.68	2681.52	535.79	<.0300
High Freq	-0.00	122.40	550.23	-741.01	455.32	-455.32	>.0300
BT_3 (kips) Total	1534.13	236.40	2251.10	636.96	2413.53	654.73	
Low Freq	1534.13	217.20	2071.68	839.03	2342.10	726.16	<.0300
High Freq	-0.00	93.32	596.81	-336.46	347.16	-347.16	>.0300
ML_1 (kips) Total	406.44	141.13	1336.97	109.89	931.46	-118.58	
Low Freq	406.44	130.92	1023.84	119.41	893.46	-80.57	<.0300
High Freq	-0.00	52.72	399.49	-357.63	196.10	-196.10	>.0300

RESPONSE SUMMARY,

File: A703.CSV

04-26-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.19	5.47	8.47	-9.15	20.56	-20.17	Fr(Hz)
Pt Surge (ft) Total	-13.03	10.12	4.61	-30.16	24.60	-50.67	
Low Freq	-13.03	10.10	3.67	-29.02	24.52	-50.59	<.0300
High Freq	0.00	0.67	1.88	-2.81	2.49	-2.49	>.0300
Pitch Total	-0.02	1.21	2.67	-2.41	4.48	-4.52	
Low Freq	-0.02	1.16	2.08	-2.13	4.29	-4.34	<.0300
High Freq	0.00	0.35	1.03	-1.24	1.29	-1.29	>.0300
Pt Heave (ft) Total	1.29	0.86	3.76	-0.94	4.49	-1.92	
Low Freq	1.29	0.65	2.95	-0.50	3.69	-1.12	<.0300
High Freq	0.00	0.57	1.27	-1.09	2.11	-2.11	>.0300
BT_1 (kips) Total	334.46	1.10	338.55	330.77	338.56	330.35	
Low Freq	334.46	0.31	335.27	333.66	335.61	333.30	<.0300
High Freq	0.00	1.06	4.14	-4.26	3.94	-3.94	>.0300
BT_3 (kips) Total	303.03	1.70	304.43	300.97	309.36	296.71	
Low Freq	303.03	0.52	304.24	302.02	304.96	301.10	<.0300
High Freq	-0.00	1.62	2.41	-3.20	6.02	-6.02	>.0300
ML_1 (kips) Total	319.82	53.33	435.89	230.76	518.20	121.45	
Low Freq	319.82	53.08	417.52	238.93	517.28	122.37	<.0300
High Freq	0.00	5.13	18.88	-17.07	19.08	-19.08	>.0300

RESPONSE SUMMARY,

File: A704.CSV

04-26-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.16	5.57	8.77	-8.85	20.87	-20.55	Fr (Hz)
Pt Surge (ft) Total	-1.64	5.14	14.70	-10.10	17.47	-20.76	
Low Freq	-1.64	5.03	13.95	-8.45	17.06	-20.35	<.0300
High Freq	-0.00	1.06	4.92	-6.96	3.93	-3.93	>.0300
Pitch Total	-0.06	0.52	1.25	-1.14	1.86	-1.99	
Low Freq	-0.06	0.24	0.58	-0.70	0.81	-0.94	<.0300
High Freq	-0.00	0.46	0.92	-0.83	1.71	-1.71	>.0300
Pt Heave (ft) Total	1.72	6.62	14.07	-9.52	26.35	-22.91	
Low Freq	1.72	6.51	12.31	-8.65	25.92	-22.49	<.0300
High Freq	-0.00	1.23	4.93	-4.45	4.57	-4.57	>.0300
BT_1 (kips) Total	334.66	0.84	338.55	330.77	337.79	331.52	
Low Freq	334.66	0.21	335.30	334.14	335.46	333.86	<.0300
High Freq	-0.00	0.81	4.01	-3.92	3.03	-3.03	>.0300
BT_3 (kips) Total	301.31	1.06	304.43	297.50	305.26	297.36	
Low Freq	301.30	0.23	301.85	300.80	302.16	300.44	<.0300
High Freq	-0.00	1.04	3.43	-3.64	3.86	-3.86	>.0300
ML_1 (kips) Total	341.16	36.79	421.24	245.42	478.03	204.30	
Low Freq	341.16	35.88	405.66	257.28	474.66	207.67	<.0300
High Freq	0.00	8.11	23.05	-16.95	30.19	-30.19	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	7.93	13.60	-13.90	29.61	-29.40	Fr(Hz)
Pt Surge (ft) Total	-20.53	3.01	-11.54	-26.20	-9.35	-31.71	
Low Freq	-20.53	2.06	-14.43	-23.06	-12.86	-28.20	<.0300
High Freq	0.00	2.19	3.66	-3.61	8.14	-8.14	>.0300
Pitch Total	-0.33	0.77	1.03	-1.79	2.54	-3.20	
Low Freq	-0.33	0.08	-0.08	-0.56	-0.02	-0.64	<.0300
High Freq	0.00	0.77	1.17	-1.24	2.85	-2.85	>.0300
Pt Heave (ft) Total	3.61	2.49	8.02	-0.94	12.88	-5.66	
Low Freq	3.61	0.42	4.63	2.18	5.17	2.05	<.0300
High Freq	0.00	2.46	3.83	-3.82	9.13	-9.13	>.0300
BT_1 (kips) Total	334.88	1.16	338.55	330.77	339.19	330.58	
Low Freq	334.88	0.28	335.64	334.37	335.91	333.86	<.0300
High Freq	-0.00	1.12	3.98	-4.34	4.18	-4.18	>.0300
BT_3 (kips) Total	300.30	1.37	300.97	297.50	305.39	295.21	
Low Freq	300.30	0.31	300.91	299.29	301.45	299.15	<.0300
High Freq	0.00	1.33	1.68	-3.41	4.96	-4.96	>.0300
ML_1 (kips) Total	450.09	41.35	549.44	369.96	603.93	296.25	
Low Freq	450.09	19.36	482.94	395.28	522.11	378.07	<.0300
High Freq	-0.00	36.54	69.57	-61.56	135.94	-135.94	>.0300

RESPONSE SUMMARY,

File: A706.CSV

04-26-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	8.54	14.02	-15.83	31.88	-31.69	Fr(Hz)
Pt Surge (ft) Total	-17.13	4.59	-8.73	-30.12	-0.05	-34.22	
Low Freq	-17.13	2.10	-13.95	-24.32	-9.33	-24.94	<.0300
High Freq	0.00	4.09	6.87	-6.70	15.20	-15.20	>.0300
Pitch Total	-0.40	0.72	0.83	-1.52	2.29	-3.09	
Low Freq	-0.40	0.04	-0.29	-0.51	-0.25	-0.55	<.0300
High Freq	-0.00	0.72	1.15	-1.09	2.68	-2.68	>.0300
Pt Heave (ft) Total	2.16	3.69	8.56	-4.10	15.88	-11.56	
Low Freq	2.16	0.30	3.35	1.14	3.29	1.04	<.0300
High Freq	-0.00	3.68	5.82	-5.85	13.67	-13.67	>.0300
BT_1 (kips) Total	335.44	1.62	338.55	330.77	341.48	329.40	
Low Freq	335.44	0.34	336.33	334.66	336.70	334.18	<.0300
High Freq	0.00	1.59	3.89	-4.76	5.91	-5.91	>.0300
BT_3 (kips) Total	297.41	0.64	300.97	294.04	299.81	295.02	
Low Freq	297.41	0.17	297.77	296.71	298.03	296.80	<.0300
High Freq	0.00	0.62	3.48	-3.45	2.31	-2.31	>.0300
ML_1 (kips) Total	436.46	56.72	670.32	362.63	647.47	225.45	
Low Freq	436.46	23.83	534.79	405.81	525.10	347.82	<.0300
High Freq	0.00	51.48	136.51	-111.50	191.49	-191.49	>.0300

RESPONSE SUMMARY,

File: A707.CSV

04-26-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.04	8.53	12.46	-13.28	31.71	-31.79	Fr(Hz)
Pt Surge (ft) Total	-7.14	5.23	5.98	-17.42	12.30	-26.58	
Low Freq	-7.14	2.03	-1.77	-11.12	0.40	-14.68	<.0300
High Freq	0.00	4.82	8.03	-7.19	17.92	-17.92	>.0300
Pitch Total	0.01	0.66	1.04	-1.13	2.47	-2.46	
Low Freq	0.01	0.05	0.11	-0.16	0.20	-0.18	<.0300
High Freq	0.00	0.66	0.98	-1.02	2.46	-2.46	>.0300
Pt Heave (ft) Total	1.15	4.78	8.42	-6.19	18.92	-16.62	
Low Freq	1.15	0.17	1.78	0.50	1.79	0.51	<.0300
High Freq	-0.00	4.77	7.32	-7.06	17.76	-17.76	>.0300
BT_1 (kips) Total	337.59	1.68	338.55	334.66	343.83	331.36	
Low Freq	337.59	0.43	338.44	336.21	339.18	336.00	<.0300
High Freq	0.00	1.62	2.34	-3.76	6.03	-6.03	>.0300
BT_3 (kips) Total	294.59	1.29	297.50	290.58	299.40	289.77	
Low Freq	294.59	0.31	295.30	293.96	295.75	293.43	<.0300
High Freq	-0.00	1.26	3.51	-4.35	4.67	-4.67	>.0300
ML_1 (kips) Total	332.84	34.94	410.25	256.41	462.81	202.87	
Low Freq	332.84	10.61	353.80	304.82	372.32	293.35	<.0300
High Freq	-0.00	33.29	56.53	-52.09	123.83	-123.83	>.0300

RESPONSE SUMMARY,

File: A708.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	5.49	24.36	-16.75	20.52	-20.31	Fr(Hz)
Pt Surge (ft) Total	4.53	10.49	33.78	-25.04	43.57	-34.50	
Low Freq	4.53	10.45	32.43	-23.59	43.42	-34.35	<.0300
High Freq	0.00	0.92	6.61	-5.68	3.43	-3.43	>.0300
Pitch Total	-0.09	1.56	5.65	-4.80	5.70	-5.88	
Low Freq	-0.09	1.50	5.07	-4.58	5.51	-5.69	<.0300
High Freq	0.00	0.40	1.52	-1.34	1.49	-1.49	>.0300
Pt Heave (ft) Total	1.46	3.67	12.92	-8.20	15.12	-12.21	
Low Freq	1.46	3.56	10.54	-7.61	14.71	-11.80	<.0300
High Freq	0.00	0.89	5.33	-2.89	3.32	-3.32	>.0300
BT_1 (kips) Total	340.86	1.91	342.44	338.55	347.97	333.76	
Low Freq	340.86	0.64	342.70	339.28	343.23	338.49	<.0300
High Freq	-0.00	1.80	3.15	-3.89	6.70	-6.70	>.0300
BT_3 (kips) Total	274.21	1.72	276.72	269.79	280.60	267.82	
Low Freq	274.20	0.98	276.71	271.58	277.83	270.58	<.0300
High Freq	0.00	1.41	3.37	-3.58	5.26	-5.26	>.0300
ML_1 (kips) Total	362.20	78.35	780.21	179.48	653.67	70.74	
Low Freq	362.20	77.70	747.17	187.01	651.24	73.16	<.0300
High Freq	-0.00	10.09	68.23	-57.62	37.53	-37.53	>.0300

RESPONSE SUMMARY,

File: A709.CSV

04-25-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.03	10.91	44.90	-39.58	40.62	-40.57	Fr(Hz)
Pt Surge (ft) Total	-32.11	20.62	33.08	-89.15	44.58	-108.81	
Low Freq	-32.11	20.36	30.86	-83.86	43.61	-107.84	<.0300
High Freq	0.00	3.26	14.67	-15.94	12.13	-12.13	>.0300
Pitch Total	-0.39	2.12	5.95	-7.35	7.48	-8.26	
Low Freq	-0.39	1.86	4.76	-6.03	6.52	-7.29	<.0300
High Freq	-0.00	1.01	4.17	-5.34	3.77	-3.77	>.0300
Pt Heave (ft) Total	3.69	5.78	32.07	-11.55	25.18	-17.80	
Low Freq	3.69	4.58	18.16	-9.16	20.71	-13.33	<.0300
High Freq	0.00	3.53	19.47	-16.77	13.12	-13.12	>.0300
BT_1 (kips) Total	339.94	1.93	342.44	334.66	347.11	332.77	
Low Freq	339.94	0.96	342.72	337.11	343.50	336.38	<.0300
High Freq	-0.00	1.67	4.64	-5.45	6.23	-6.23	>.0300
BT_3 (kips) Total	278.10	2.34	283.65	269.79	286.79	269.41	
Low Freq	278.10	1.96	281.21	273.31	285.38	270.81	<.0300
High Freq	-0.00	1.27	5.44	-7.18	4.74	-4.74	>.0300
ML_1 (kips) Total	687.14	363.37	3179.43	135.53	2038.88	-664.60	
Low Freq	687.14	348.72	2065.34	150.34	1984.39	-610.10	<.0300
High Freq	-0.00	102.13	1163.38	-726.32	379.94	-379.94	>.0300

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.23	5.20	7.49	-8.37	19.56	-19.10	Fr(Hz)
Pt Surge (ft) Total	5.53	11.34	24.95	-14.60	47.73	-36.67	
Low Freq	5.53	11.33	24.42	-14.20	47.69	-36.63	<.0300
High Freq	-0.00	0.46	3.70	-2.84	1.72	-1.72	>.0300
Pitch Total	-0.04	0.38	0.63	-0.71	1.36	-1.44	
Low Freq	-0.04	0.06	0.12	-0.19	0.19	-0.27	<.0300
High Freq	0.00	0.37	0.63	-0.60	1.38	-1.38	>.0300
Pt Heave (ft) Total	0.43	0.73	2.60	-1.40	3.15	-2.29	
Low Freq	0.43	0.54	1.83	-0.78	2.45	-1.58	<.0300
High Freq	0.00	0.49	1.03	-1.45	1.83	-1.83	>.0300
BT_1 (kips) Total	354.00	0.83	358.00	350.22	357.08	350.93	
Low Freq	354.00	0.16	354.44	353.58	354.58	353.42	<.0300
High Freq	0.00	0.81	4.01	-3.93	3.02	-3.02	>.0300
BT_3 (kips) Total	256.19	1.08	259.40	252.47	260.19	252.19	
Low Freq	256.19	0.24	256.79	255.59	257.08	255.29	<.0300
High Freq	0.00	1.05	3.46	-3.96	3.90	-3.90	>.0300
ML_1 (kips) Total	360.36	73.21	538.45	245.42	632.69	88.03	
Low Freq	360.36	72.97	526.06	250.92	631.79	88.93	<.0300
High Freq	-0.00	5.94	20.13	-29.24	22.10	-22.10	>.0300

RESPONSE SUMMARY,

File: A804.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.12	5.63	7.61	-9.41	21.05	-20.80	Fr(Hz)
Pt Surge (ft) Total	4.20	4.73	13.11	-6.00	21.80	-13.39	
Low Freq	4.20	4.62	11.69	-4.61	21.39	-12.98	<.0300
High Freq	-0.00	1.01	2.75	-3.55	3.77	-3.77	>.0300
Pitch Total	-0.02	0.44	0.83	-0.74	1.62	-1.67	
Low Freq	-0.02	0.05	0.16	-0.11	0.18	-0.22	<.0300
High Freq	0.00	0.44	0.73	-0.73	1.63	-1.63	>.0300
Pt Heave (ft) Total	0.19	1.36	2.87	-2.21	5.24	-4.86	
Low Freq	0.19	0.28	0.93	-0.51	1.22	-0.84	<.0300
High Freq	-0.00	1.33	2.22	-1.85	4.95	-4.95	>.0300
BT_1 (kips) Total	354.11	0.77	358.00	350.22	356.97	351.25	
Low Freq	354.10	0.16	354.49	353.68	354.70	353.50	<.0300
High Freq	0.00	0.75	4.23	-3.86	2.80	-2.80	>.0300
BT_3 (kips) Total	257.03	1.64	259.40	252.47	263.13	250.93	
Low Freq	257.03	0.29	257.81	256.34	258.10	255.96	<.0300
High Freq	-0.00	1.61	3.04	-4.40	6.00	-6.00	>.0300
ML_1 (kips) Total	351.68	29.33	417.58	289.37	460.81	242.56	
Low Freq	351.68	27.55	401.52	304.25	454.15	249.21	<.0300
High Freq	0.00	10.09	21.93	-17.81	37.53	-37.53	>.0300

RESPONSE SUMMARY,

File: A805.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.02	8.04	11.80	-12.18	29.90	-29.94	Fr(Hz)
Pt Surge (ft) Total	-1.24	3.07	4.96	-8.61	10.16	-12.64	
Low Freq	-1.24	1.83	1.54	-4.94	5.57	-8.05	<.0300
High Freq	-0.00	2.46	3.66	-3.91	9.15	-9.15	>.0300
Pitch Total	-0.00	0.65	1.11	-1.04	2.43	-2.44	
Low Freq	-0.00	0.04	0.09	-0.09	0.14	-0.15	<.0300
High Freq	-0.00	0.65	1.06	-1.00	2.43	-2.43	>.0300
Pt Heave (ft) Total	0.10	3.05	5.17	-4.48	11.45	-11.24	
Low Freq	0.10	0.19	0.73	-0.23	0.80	-0.59	<.0300
High Freq	-0.00	3.04	4.86	-4.45	11.32	-11.32	>.0300
BT_1 (kips) Total	354.07	1.07	358.00	350.22	358.04	350.11	
Low Freq	354.07	0.24	354.72	353.33	354.96	353.17	<.0300
High Freq	-0.00	1.04	4.19	-4.21	3.86	-3.86	>.0300
BT_3 (kips) Total	258.47	1.54	259.40	255.94	264.19	252.74	
Low Freq	258.46	0.35	259.51	257.59	259.78	257.15	<.0300
High Freq	0.00	1.50	1.74	-3.51	5.57	-5.57	>.0300
ML_1 (kips) Total	355.75	24.18	410.25	307.69	445.70	265.80	
Low Freq	355.75	11.56	377.46	337.00	398.74	312.76	<.0300
High Freq	0.00	21.24	34.31	-33.73	79.01	-79.01	>.0300

RESPONSE SUMMARY,

File: A806.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.03	8.46	12.81	-13.41	31.43	-31.50	Fr(Hz)
Pt Surge (ft) Total	-0.16	5.18	12.16	-11.15	19.12	-19.44	
Low Freq	-0.16	3.94	7.70	-6.39	14.49	-14.82	<.0300
High Freq	0.00	3.37	7.20	-5.32	12.53	-12.53	>.0300
Pitch Total	0.04	0.63	1.16	-0.92	2.38	-2.30	
Low Freq	0.04	0.04	0.19	-0.06	0.20	-0.12	<.0300
High Freq	0.00	0.63	1.03	-0.99	2.33	-2.33	>.0300
Pt Heave (ft) Total	0.18	3.88	6.61	-5.69	14.60	-14.24	
Low Freq	0.18	0.22	0.92	-0.26	1.00	-0.65	<.0300
High Freq	0.00	3.87	6.24	-5.67	14.40	-14.40	>.0300
BT_1 (kips) Total	354.07	0.76	358.00	350.22	356.89	351.25	
Low Freq	354.07	0.16	354.56	353.69	354.67	353.46	<.0300
High Freq	-0.00	0.74	4.04	-3.97	2.75	-2.75	>.0300
BT_3 (kips) Total	259.21	0.85	262.86	255.94	262.36	256.07	
Low Freq	259.21	0.23	259.62	258.31	260.05	258.37	<.0300
High Freq	-0.00	0.81	3.59	-3.45	3.03	-3.03	>.0300
ML_1 (kips) Total	356.20	36.52	443.22	274.72	492.04	220.36	
Low Freq	356.20	24.09	392.46	306.85	445.81	266.59	<.0300
High Freq	-0.00	27.44	51.38	-44.88	102.09	-102.09	>.0300

RESPONSE SUMMARY,

File: A807.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.07	8.37	11.46	-12.46	31.07	-31.20	Fr(Hz)
Pt Surge (ft) Total	-2.25	4.08	6.69	-10.83	12.94	-17.44	
Low Freq	-2.25	2.00	1.45	-5.43	5.18	-9.67	<.0300
High Freq	0.00	3.56	6.41	-5.78	13.25	-13.25	>.0300
Pitch Total	-0.04	0.51	0.85	-0.84	1.84	-1.93	
Low Freq	-0.04	0.03	0.06	-0.10	0.06	-0.15	<.0300
High Freq	0.00	0.51	0.83	-0.83	1.88	-1.88	>.0300
Pt Heave (ft) Total	0.23	4.29	6.86	-6.14	16.20	-15.74	
Low Freq	0.23	0.10	0.52	0.02	0.59	-0.13	<.0300
High Freq	-0.00	4.29	6.63	-6.28	15.97	-15.97	>.0300
BT_1 (kips) Total	354.06	0.63	358.00	350.22	356.41	351.72	
Low Freq	354.06	0.13	354.46	353.70	354.55	353.57	<.0300
High Freq	0.00	0.62	3.88	-3.90	2.29	-2.29	>.0300
BT_3 (kips) Total	260.14	1.43	262.86	255.94	265.44	254.83	
Low Freq	260.14	0.36	261.12	259.39	261.49	258.79	<.0300
High Freq	-0.00	1.38	3.47	-4.46	5.13	-5.13	>.0300
ML_1 (kips) Total	346.18	32.04	413.91	282.05	465.37	226.98	
Low Freq	346.18	12.94	365.39	321.24	394.31	298.04	<.0300
High Freq	0.00	29.31	50.05	-44.84	109.04	-109.04	>.0300

RESPONSE SUMMARY,

File: A808.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.21	5.58	21.65	-19.47	20.98	-20.56	Fr(Hz)
Pt Surge (ft) Total	-9.08	8.89	14.30	-33.83	23.98	-42.14	
Low Freq	-9.08	8.84	12.76	-31.09	23.79	-41.95	<.0300
High Freq	-0.00	0.95	7.95	-6.68	3.53	-3.53	>.0300
Pitch Total	-0.03	0.57	1.71	-2.13	2.07	-2.14	
Low Freq	-0.03	0.42	1.21	-1.42	1.53	-1.59	<.0300
High Freq	0.00	0.38	1.35	-1.20	1.41	-1.41	>.0300
Pt Heave (ft) Total	-0.25	2.29	5.53	-6.97	8.29	-8.78	
Low Freq	-0.25	2.06	4.70	-5.87	7.42	-7.91	<.0300
High Freq	0.00	1.01	3.90	-4.89	3.76	-3.76	>.0300
BT_1 (kips) Total	353.83	1.15	358.00	350.22	358.10	349.57	
Low Freq	353.82	0.34	354.73	352.51	355.09	352.56	<.0300
High Freq	-0.00	1.09	5.33	-4.21	4.07	-4.07	>.0300
BT_3 (kips) Total	262.43	1.17	266.33	259.40	266.79	258.07	
Low Freq	262.42	0.31	263.22	261.24	263.56	261.29	<.0300
High Freq	-0.00	1.13	3.73	-3.54	4.20	-4.20	>.0300
ML_1 (kips) Total	398.62	70.41	706.95	238.09	660.57	136.68	
Low Freq	398.62	69.35	649.98	253.54	656.59	140.66	<.0300
High Freq	-0.00	12.22	67.41	-68.18	45.46	-45.46	>.0300

RESPONSE SUMMARY,

File: A809.CSV

04-29-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.23	10.71	45.56	-40.74	39.61	-40.08	Fr(Hz)
Pt Surge (ft) Total	-19.89	15.38	36.28	-68.12	37.34	-77.12	
Low Freq	-19.89	15.00	35.00	-63.66	35.90	-75.68	<.0300
High Freq	-0.00	3.43	15.02	-16.79	12.76	-12.76	>.0300
Pitch Total	-0.23	1.01	3.23	-5.75	3.52	-3.98	
Low Freq	-0.23	0.50	0.97	-2.39	1.61	-2.07	<.0300
High Freq	0.00	0.88	3.55	-3.85	3.27	-3.27	>.0300
Pt Heave (ft) Total	-0.44	4.64	18.61	-19.97	16.83	-17.71	
Low Freq	-0.44	2.75	7.23	-8.34	9.78	-10.66	<.0300
High Freq	0.00	3.74	18.60	-16.62	13.92	-13.92	>.0300
BT_1 (kips) Total	353.49	1.72	358.00	346.33	359.87	347.10	
Low Freq	353.47	0.80	355.43	350.25	356.45	350.50	<.0300
High Freq	-0.00	1.52	6.05	-5.28	5.65	-5.65	>.0300
BT_3 (kips) Total	264.84	1.73	269.79	259.40	271.28	258.41	
Low Freq	264.85	0.66	266.45	262.77	267.31	262.38	<.0300
High Freq	-0.00	1.60	5.28	-5.14	5.95	-5.95	>.0300
ML_1 (kips) Total	495.55	190.96	1772.86	128.20	1205.94	-214.84	
Low Freq	495.55	177.45	1365.51	138.95	1155.65	-164.55	<.0300
High Freq	0.00	70.57	528.11	-472.75	262.51	-262.51	>.0300

RESPONSE SUMMARY,

File: A903.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.17	5.57	7.68	-9.21	20.88	-20.55	Fr (Hz)
Pt Surge (ft) Total	-6.96	2.89	-2.11	-11.51	3.79	-17.71	
Low Freq	-6.96	2.88	-2.27	-10.96	3.73	-17.66	<.0300
High Freq	-0.00	0.29	0.78	-0.70	1.09	-1.09	>.0300
Pitch Total	-0.34	0.34	0.40	-1.10	0.93	-1.62	
Low Freq	-0.34	0.11	-0.10	-0.62	0.08	-0.76	<.0300
High Freq	-0.00	0.32	0.53	-0.52	1.21	-1.21	>.0300
Pt Heave (ft) Total	0.81	0.88	2.99	-1.27	4.07	-2.45	
Low Freq	0.81	0.62	2.17	-0.42	3.11	-1.49	<.0300
High Freq	0.00	0.62	1.34	-1.40	2.31	-2.31	>.0300
BT_1 (kips) Total	1666.76	60.36	1805.30	1560.19	1891.31	1442.22	
Low Freq	1666.76	14.37	1706.50	1629.39	1720.22	1613.31	<.0300
High Freq	-0.00	58.63	119.67	-77.96	218.09	-218.09	>.0300
BT_3 (kips) Total	1671.63	43.98	1780.02	1596.43	1835.23	1508.02	
Low Freq	1671.63	12.83	1700.74	1643.84	1719.37	1623.88	<.0300
High Freq	0.00	42.06	90.63	-53.85	156.48	-156.48	>.0300
ML_1 (kips) Total	291.53	16.64	322.34	260.07	353.44	229.62	
Low Freq	291.53	16.30	318.44	266.31	352.16	230.90	<.0300
High Freq	0.00	3.36	7.72	-8.23	12.52	-12.52	>.0300

RESPONSE SUMMARY,

File: A904.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	5.78	7.98	-10.12	21.60	-21.39	Fr(Hz)
Pt Surge (ft) Total	-1.34	1.64	1.86	-6.02	4.76	-7.44	
Low Freq	-1.34	1.42	0.80	-4.77	3.95	-6.62	<.0300
High Freq	-0.00	0.82	2.37	-2.02	3.05	-3.05	>.0300
Pitch Total	-0.14	0.58	1.06	-1.48	2.03	-2.30	
Low Freq	-0.14	0.17	0.17	-0.64	0.49	-0.77	<.0300
High Freq	-0.00	0.56	0.89	-0.88	2.07	-2.07	>.0300
Pt Heave (ft) Total	0.58	1.41	3.77	-1.90	5.83	-4.66	
Low Freq	0.58	0.55	1.69	-0.47	2.61	-1.45	<.0300
High Freq	0.00	1.30	2.46	-2.42	4.84	-4.84	>.0300
BT_1 (kips) Total	1637.01	60.45	1801.40	1536.84	1861.90	1412.12	
Low Freq	1637.01	16.75	1690.49	1601.23	1699.31	1574.71	<.0300
High Freq	0.00	58.09	134.52	-78.46	216.09	-216.09	>.0300
BT_3 (kips) Total	1646.79	48.18	1780.02	1558.33	1826.01	1467.58	
Low Freq	1646.79	11.67	1669.93	1618.42	1690.22	1603.37	<.0300
High Freq	-0.00	46.74	114.64	-70.07	173.87	-173.87	>.0300
ML_1 (kips) Total	294.50	11.65	329.67	271.06	337.84	251.16	
Low Freq	294.50	8.73	319.51	281.76	326.97	262.02	<.0300
High Freq	-0.00	7.71	14.06	-17.81	28.70	-28.70	>.0300

RESPONSE SUMMARY,

File: A905.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.03	8.12	12.40	-12.61	30.25	-30.18	Fr(Hz)
Pt Surge (ft) Total	-6.60	3.14	0.82	-14.23	5.08	-18.29	
Low Freq	-6.60	2.02	-2.58	-11.05	0.92	-14.13	<.0300
High Freq	-0.00	2.40	3.87	-4.07	8.94	-8.94	>.0300
Pitch Total	-0.81	0.96	0.90	-2.71	2.76	-4.39	
Low Freq	-0.81	0.17	-0.33	-1.38	-0.19	-1.44	<.0300
High Freq	0.00	0.95	1.46	-1.49	3.52	-3.52	>.0300
Pt Heave (ft) Total	1.11	2.92	6.70	-3.90	11.96	-9.74	
Low Freq	1.11	0.55	2.44	0.12	3.16	-0.94	<.0300
High Freq	0.00	2.86	4.93	-4.28	10.66	-10.66	>.0300
BT_1 (kips) Total	1646.74	97.54	1883.11	1521.28	2009.60	1283.87	
Low Freq	1646.73	14.20	1689.61	1622.82	1699.55	1593.92	<.0300
High Freq	0.00	96.50	218.29	-111.40	359.00	-359.00	>.0300
BT_3 (kips) Total	1632.75	76.68	1814.66	1478.66	1917.99	1347.52	
Low Freq	1632.75	12.80	1666.67	1611.43	1680.38	1585.13	<.0300
High Freq	0.00	75.60	150.10	-150.14	281.23	-281.23	>.0300
ML_1 (kips) Total	323.82	21.56	373.62	271.06	404.03	243.61	
Low Freq	323.82	12.73	347.55	295.19	371.16	276.47	<.0300
High Freq	0.00	17.40	29.44	-28.55	64.75	-64.75	>.0300

RESPONSE SUMMARY,

File: A906.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.05	8.63	13.19	-13.22	32.04	-32.14	Fr(Hz)
Pt Surge (ft) Total	-6.83	3.33	-1.03	-13.44	5.58	-19.23	
Low Freq	-6.83	0.88	-5.53	-8.92	-3.54	-10.12	<.0300
High Freq	-0.00	3.21	4.88	-4.69	11.96	-11.96	>.0300
Pitch Total	-0.75	0.89	0.86	-2.35	2.55	-4.06	
Low Freq	-0.75	0.14	-0.29	-1.02	-0.22	-1.29	<.0300
High Freq	0.00	0.88	1.29	-1.34	3.26	-3.26	>.0300
Pt Heave (ft) Total	0.40	3.75	6.88	-5.28	14.37	-13.56	
Low Freq	0.40	0.23	0.94	-0.13	1.27	-0.46	<.0300
High Freq	0.00	3.75	6.39	-5.66	13.94	-13.94	>.0300
BT_1 (kips) Total	1662.90	72.52	1844.20	1540.74	1932.66	1393.13	
Low Freq	1662.90	13.67	1687.47	1626.37	1713.75	1612.04	<.0300
High Freq	-0.00	71.22	170.03	-115.93	264.93	-264.93	>.0300
BT_3 (kips) Total	1638.78	64.39	1762.70	1471.74	1878.32	1399.24	
Low Freq	1638.78	13.30	1664.66	1603.80	1688.24	1589.32	<.0300
High Freq	0.00	63.01	108.18	-148.87	234.38	-234.38	>.0300
ML_1 (kips) Total	310.00	23.62	358.97	271.06	397.89	222.12	
Low Freq	310.00	6.28	325.56	300.70	333.38	286.62	<.0300
High Freq	-0.00	22.77	37.74	-35.66	84.72	-84.72	>.0300

RESPONSE SUMMARY,

File: A907.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.09	8.53	11.15	-12.59	31.64	-31.82	Fr(Hz)
Pt Surge (ft) Total	-3.00	3.93	6.54	-9.41	11.62	-17.63	
Low Freq	-3.00	1.41	1.20	-4.30	2.25	-8.25	<.0300
High Freq	-0.00	3.67	5.76	-6.10	13.65	-13.65	>.0300
Pitch Total	-0.14	0.71	1.22	-1.44	2.49	-2.77	
Low Freq	-0.14	0.10	0.06	-0.43	0.23	-0.51	<.0300
High Freq	0.00	0.70	1.17	-1.09	2.61	-2.61	>.0300
Pt Heave (ft) Total	0.44	4.40	7.47	-6.09	16.82	-15.94	
Low Freq	0.44	0.20	0.89	0.01	1.19	-0.31	<.0300
High Freq	-0.00	4.40	7.20	-6.28	16.36	-16.36	>.0300
BT_1 (kips) Total	1628.43	40.74	1715.81	1548.52	1780.00	1476.87	
Low Freq	1628.43	9.99	1658.82	1611.61	1665.58	1591.29	<.0300
High Freq	0.00	39.50	73.74	-73.36	146.94	-146.94	>.0300
BT_3 (kips) Total	1640.42	53.24	1752.31	1551.41	1838.47	1442.37	
Low Freq	1640.42	8.72	1659.02	1617.73	1672.87	1607.98	<.0300
High Freq	-0.00	52.52	108.62	-80.89	195.37	-195.37	>.0300
ML_1 (kips) Total	287.64	28.75	336.99	223.44	394.59	180.70	
Low Freq	287.64	8.02	295.08	262.69	317.50	257.79	<.0300
High Freq	-0.00	27.61	43.14	-45.46	102.70	-102.70	>.0300

RESPONSE SUMMARY,

File: A908.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.21	5.49	21.69	-18.76	20.64	-20.22	Fr (Hz)
Pt Surge (ft) Total	-4.62	8.16	19.39	-30.65	25.72	-34.97	
Low Freq	-4.62	8.12	17.74	-29.29	25.60	-34.85	<.0300
High Freq	0.00	0.74	2.91	-2.87	2.75	-2.75	>.0300
Pitch Total	-0.40	1.02	2.48	-3.98	3.37	-4.18	
Low Freq	-0.40	0.92	2.06	-3.06	3.03	-3.84	<.0300
High Freq	-0.00	0.42	1.50	-1.39	1.58	-1.58	>.0300
Pt Heave (ft) Total	0.96	3.08	10.65	-6.61	12.43	-10.50	
Low Freq	0.96	2.92	9.49	-5.57	11.82	-9.89	<.0300
High Freq	0.00	1.00	3.78	-3.83	3.71	-3.71	>.0300
BT_1 (kips) Total	1656.25	140.20	2116.54	1233.38	2177.79	1134.71	
Low Freq	1656.25	121.51	1990.30	1368.19	2108.26	1204.25	<.0300
High Freq	-0.00	69.94	370.30	-251.04	260.18	-260.18	>.0300
BT_3 (kips) Total	1645.38	110.16	2012.09	1274.30	2055.16	1235.60	
Low Freq	1645.38	96.55	1928.78	1432.62	2004.54	1286.22	<.0300
High Freq	-0.00	53.04	279.38	-278.72	197.29	-197.29	>.0300
ML_1 (kips) Total	297.25	50.15	545.78	164.83	483.82	110.67	
Low Freq	297.25	49.69	512.00	175.25	482.11	112.39	<.0300
High Freq	-0.00	6.78	48.12	-41.64	25.20	-25.20	>.0300

RESPONSE SUMMARY,

File: A909.CSV

05-01-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.20	10.96	45.47	-41.68	40.58	-40.98	Fr (Hz)
Pt Surge (ft) Total	-19.56	15.68	38.13	-65.94	38.78	-77.91	
Low Freq	-19.56	15.39	36.23	-59.42	37.69	-76.82	<.0300
High Freq	-0.00	3.01	13.53	-14.95	11.21	-11.21	>.0300
Pitch Total	-1.51	2.89	6.02	-13.15	9.22	-12.25	
Low Freq	-1.51	2.67	5.63	-12.02	8.42	-11.45	<.0300
High Freq	0.00	1.09	4.70	-5.22	4.07	-4.07	>.0300
Pt Heave (ft) Total	2.12	5.38	30.89	-12.54	22.13	-17.89	
Low Freq	2.12	3.86	15.95	-6.20	16.49	-12.24	<.0300
High Freq	0.00	3.75	19.87	-17.30	13.93	-13.93	>.0300
BT_1 (kips) Total	1694.56	260.63	2474.47	894.90	2664.11	725.00	
Low Freq	1694.56	224.11	2335.89	1122.91	2528.23	860.89	<.0300
High Freq	0.00	133.07	474.12	-467.11	495.00	-495.00	>.0300
BT_3 (kips) Total	1686.86	211.00	2309.98	820.54	2471.78	901.93	
Low Freq	1686.85	177.36	2233.64	1234.16	2346.63	1027.07	<.0300
High Freq	0.00	114.30	376.05	-619.15	425.20	-425.20	>.0300
ML_1 (kips) Total	404.16	171.64	1545.76	76.92	1042.67	-234.35	
Low Freq	404.16	162.08	1269.91	87.32	1007.08	-198.76	<.0300
High Freq	0.00	56.50	453.68	-402.73	210.18	-210.18	>.0300

RESPONSE SUMMARY,

File: A1003.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.11	4.97	8.42	-9.75	18.60	-18.37	Fr(Hz)
Pt Surge (ft) Total	-6.04	16.59	22.27	-31.52	55.68	-67.75	
Low Freq	-6.04	16.58	22.27	-31.21	55.65	-67.72	<.0300
High Freq	0.00	0.52	3.75	-2.06	1.95	-1.95	>.0300
Pitch Total	-0.02	0.91	2.50	-2.72	3.35	-3.39	
Low Freq	-0.02	0.84	2.08	-2.19	3.10	-3.14	<.0300
High Freq	-0.00	0.34	1.28	-1.71	1.26	-1.26	>.0300
Pt Heave (ft) Total	1.19	1.18	4.75	-1.06	5.59	-3.21	
Low Freq	1.19	1.00	3.85	-0.40	4.92	-2.54	<.0300
High Freq	0.00	0.63	1.44	-1.36	2.34	-2.34	>.0300
BT_1 (kips) Total	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	
Low Freq	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	
Low Freq	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	288.74	89.73	472.52	146.52	622.51	-45.04	
Low Freq	288.74	89.61	462.23	151.63	622.09	-44.62	<.0300
High Freq	0.00	4.50	17.88	-18.29	16.72	-16.72	>.0300

RESPONSE SUMMARY,

File: A1004.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.20	5.48	8.09	-8.92	20.57	-20.17	Fr(Hz)
Pt Surge (ft) Total	-4.03	7.16	8.07	-17.99	22.61	-30.67	
Low Freq	-4.03	7.07	6.58	-16.68	22.28	-30.34	<.0300
High Freq	-0.00	1.12	6.31	-5.53	4.15	-4.15	>.0300
Pitch Total	-0.10	0.53	1.03	-1.22	1.89	-2.08	
Low Freq	-0.10	0.08	0.10	-0.28	0.20	-0.39	<.0300
High Freq	-0.00	0.53	1.02	-1.12	1.96	-1.96	>.0300
Pt Heave (ft) Total	2.01	1.50	5.55	-0.78	7.60	-3.57	
Low Freq	2.01	0.85	3.78	0.61	5.18	-1.15	<.0300
High Freq	0.00	1.24	2.47	-2.11	4.60	-4.60	>.0300
BT_1 (kips) Total	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	
Low Freq	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	
Low Freq	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	300.90	35.00	377.28	238.09	431.08	170.71	
Low Freq	300.90	34.29	361.32	244.64	428.44	173.35	<.0300
High Freq	0.00	7.01	35.98	-26.69	26.08	-26.08	>.0300

RESPONSE SUMMARY,

File: A1005.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.03	6.20	8.24	-9.56	23.09	-23.03	Fr(Hz)
Pt Surge (ft) Total	-3.36	4.64	8.72	-12.75	13.89	-20.61	
Low Freq	-3.36	3.70	5.84	-9.11	10.42	-17.13	<.0300
High Freq	-0.00	2.79	7.60	-5.46	10.39	-10.39	>.0300
Pitch Total	-0.09	0.62	1.10	-1.26	2.21	-2.39	
Low Freq	-0.09	0.06	0.05	-0.22	0.12	-0.30	<.0300
High Freq	-0.00	0.62	1.17	-1.26	2.29	-2.29	>.0300
Pt Heave (ft) Total	0.72	2.99	5.55	-4.24	11.84	-10.40	
Low Freq	0.72	0.28	1.27	-0.21	1.75	-0.30	<.0300
High Freq	0.00	2.98	4.73	-4.96	11.08	-11.08	>.0300
BT_1 (kips) Total	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	
Low Freq	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	
Low Freq	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	288.36	25.07	340.65	219.78	381.63	195.09	
Low Freq	288.36	16.79	314.27	243.04	350.84	225.89	<.0300
High Freq	0.00	18.62	29.73	-31.59	69.25	-69.25	>.0300

RESPONSE SUMMARY,

File: A1006.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.01	8.43	12.88	-14.85	31.37	-31.39	Fr (Hz)
Pt Surge (ft) Total	-9.54	4.81	3.70	-19.76	8.35	-27.43	
Low Freq	-9.54	3.07	-1.97	-14.04	1.88	-20.96	<.0300
High Freq	-0.00	3.70	6.68	-6.33	13.77	-13.77	>.0300
Pitch Total	-0.09	0.84	1.38	-1.60	3.02	-3.21	
Low Freq	-0.09	0.05	0.04	-0.21	0.10	-0.28	<.0300
High Freq	-0.00	0.84	1.43	-1.53	3.11	-3.11	>.0300
Pt Heave (ft) Total	1.05	3.80	7.21	-4.89	15.20	-13.09	
Low Freq	1.05	0.32	2.02	0.20	2.26	-0.15	<.0300
High Freq	0.00	3.79	6.11	-5.74	14.09	-14.09	>.0300
BT_1 (kips) Total	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	
Low Freq	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	
Low Freq	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	315.75	28.39	373.62	245.42	421.37	210.13	
Low Freq	315.75	14.74	335.91	280.25	370.59	260.90	<.0300
High Freq	0.00	24.26	39.76	-38.79	90.26	-90.26	>.0300

RESPONSE SUMMARY,

File: A1007.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.14	8.60	11.56	-13.93	31.85	-32.12	Fr(Hz)
Pt Surge (ft) Total	-1.66	4.49	7.89	-12.35	15.03	-18.34	
Low Freq	-1.66	1.79	2.41	-5.00	5.02	-8.33	<.0300
High Freq	-0.00	4.11	7.22	-8.28	15.29	-15.29	>.0300
Pitch Total	0.02	0.75	1.41	-1.31	2.79	-2.76	
Low Freq	0.02	0.05	0.13	-0.09	0.21	-0.18	<.0300
High Freq	-0.00	0.74	1.34	-1.38	2.77	-2.77	>.0300
Pt Heave (ft) Total	0.30	4.38	7.57	-6.51	16.59	-16.00	
Low Freq	0.30	0.27	1.00	-0.48	1.32	-0.73	<.0300
High Freq	0.00	4.37	6.98	-6.51	16.26	-16.26	>.0300
BT_1 (kips) Total	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	
Low Freq	9605.97	0.08	9605.90	9605.90	9606.25	9605.70	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	
Low Freq	8731.97	0.07	8731.90	8731.90	8732.24	8731.71	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	271.06	29.48	329.67	208.79	380.73	161.39	
Low Freq	271.06	8.59	288.71	247.77	303.03	239.09	<.0300
High Freq	-0.00	28.20	45.33	-46.85	104.91	-104.91	>.0300

RESPONSE SUMMARY,

File: A1008.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.24	5.23	19.92	-16.59	19.71	-19.23	Fr(Hz)
Pt Surge (ft) Total	-9.48	10.40	15.84	-42.40	29.20	-48.15	
Low Freq	-9.48	10.35	14.43	-40.66	29.03	-47.98	<.0300
High Freq	0.00	0.97	3.61	-3.11	3.61	-3.61	>.0300
Pitch Total	-0.10	1.37	3.45	-4.57	4.97	-5.18	
Low Freq	-0.10	1.29	3.05	-3.40	4.69	-4.89	<.0300
High Freq	-0.00	0.45	1.88	-1.88	1.68	-1.68	>.0300
Pt Heave (ft) Total	1.26	3.93	14.75	-8.84	15.87	-13.36	
Low Freq	1.26	3.81	13.08	-8.62	15.44	-12.93	<.0300
High Freq	-0.00	0.95	3.90	-3.46	3.53	-3.53	>.0300
BT_1 (kips) Total	9605.70	0.20	9605.90	9605.90	9606.44	9604.95	
Low Freq	9605.70	0.20	9605.90	9605.90	9606.44	9604.95	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.99	0.09	8731.90	8731.90	8732.33	8731.65	
Low Freq	8731.99	0.09	8731.90	8731.90	8732.33	8731.65	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	311.19	69.42	677.64	164.83	569.41	52.96	
Low Freq	311.19	69.03	640.10	177.64	567.97	54.41	<.0300
High Freq	-0.00	7.34	48.31	-49.52	27.30	-27.30	>.0300

RESPONSE SUMMARY,

File: A1009.CSV

05-03-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.13	11.11	48.41	-40.00	41.21	-41.48	Fr(Hz)
Pt Surge (ft) Total	-16.03	20.73	62.41	-65.65	61.10	-93.16	
Low Freq	-16.03	17.87	44.97	-58.01	50.46	-82.52	<.0300
High Freq	-0.00	10.51	41.20	-41.37	39.09	-39.09	>.0300
Pitch Total	-2.97	4.64	4.06	-22.54	14.29	-20.24	
Low Freq	-2.97	3.48	3.45	-13.76	9.97	-15.92	<.0300
High Freq	-0.00	3.07	11.06	-12.06	11.42	-11.42	>.0300
Pt Heave (ft) Total	4.25	6.28	38.83	-15.14	27.62	-19.12	
Low Freq	4.25	4.73	17.79	-9.28	21.86	-13.36	<.0300
High Freq	-0.00	4.13	22.75	-19.17	15.36	-15.36	>.0300
BT_1 (kips) Total	9605.70	0.20	9605.90	9605.90	9606.44	9604.95	
Low Freq	9605.70	0.20	9605.90	9605.90	9606.44	9604.95	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
BT_3 (kips) Total	8731.99	0.09	8731.90	8731.90	8732.33	8731.65	
Low Freq	8731.99	0.09	8731.90	8731.90	8732.33	8731.65	<.0300
High Freq	0.00	0.00	0.00	0.00	0.00	0.00	>.0300
ML_1 (kips) Total	474.58	200.50	1531.11	95.24	1220.45	-271.29	
Low Freq	474.58	189.68	1258.26	101.77	1180.18	-231.02	<.0300
High Freq	-0.00	64.99	424.89	-386.48	241.76	-241.76	>.0300

RESPONSE SUMMARY,

File: A1103.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	5.54	8.46	-8.98	20.71	-20.51	Fr(Hz)
Pt Surge (ft) Total	2.66	3.39	8.44	-2.93	15.26	-9.94	
Low Freq	2.66	3.38	8.24	-2.66	15.24	-9.92	<.0300
High Freq	-0.00	0.21	1.00	-0.87	0.77	-0.77	>.0300
Pitch Total	-0.04	0.39	0.58	-0.72	1.41	-1.49	
Low Freq	-0.04	0.04	0.05	-0.14	0.12	-0.20	<.0300
High Freq	-0.00	0.39	0.59	-0.63	1.44	-1.44	>.0300
Pt Heave (ft) Total	0.61	0.81	2.27	-1.10	3.61	-2.40	
Low Freq	0.61	0.53	1.60	-0.29	2.58	-1.37	<.0300
High Freq	0.00	0.61	1.29	-1.36	2.26	-2.26	>.0300
ML_1 (kips) Total	314.36	16.18	344.32	282.05	374.56	254.16	
Low Freq	314.36	15.92	341.00	285.87	373.57	255.15	<.0300
High Freq	0.00	2.93	7.20	-6.77	10.90	-10.90	>.0300

RESPONSE SUMMARY,

File: A1104.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.10	6.10	7.87	-9.33	22.79	-22.59	Fr(Hz)
Pt Surge (ft) Total	-1.95	1.55	2.12	-5.77	3.83	-7.73	
Low Freq	-1.95	1.38	0.70	-4.81	3.18	-7.08	<.0300
High Freq	-0.00	0.71	1.43	-1.38	2.66	-2.66	>.0300
Pitch Total	-0.01	0.53	0.82	-0.90	1.97	-1.99	
Low Freq	-0.01	0.03	0.12	-0.07	0.09	-0.11	<.0300
High Freq	0.00	0.53	0.82	-0.85	1.98	-1.98	>.0300
Pt Heave (ft) Total	0.03	1.36	2.50	-2.02	5.07	-5.02	
Low Freq	0.03	0.10	0.24	-0.24	0.39	-0.34	<.0300
High Freq	0.00	1.35	2.40	-1.97	5.03	-5.03	>.0300
ML_1 (kips) Total	311.45	10.65	336.99	285.71	351.08	271.83	
Low Freq	311.45	6.29	324.18	299.01	334.86	288.04	<.0300
High Freq	-0.00	8.59	16.27	-16.35	31.97	-31.97	>.0300

RESPONSE SUMMARY,

File: A1105.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.07	8.22	11.75	-12.29	30.50	-30.64	Fr(Hz)
Pt Surge (ft) Total	-3.71	2.34	0.94	-8.11	5.01	-12.42	
Low Freq	-3.71	0.70	-2.36	-4.82	-1.08	-6.33	<.0300
High Freq	-0.00	2.24	3.37	-3.54	8.32	-8.32	>.0300
Pitch Total	0.06	0.83	1.30	-1.23	3.16	-3.04	
Low Freq	0.06	0.02	0.13	0.00	0.15	-0.03	<.0300
High Freq	-0.00	0.83	1.23	-1.26	3.10	-3.10	>.0300
Pt Heave (ft) Total	0.63	3.16	6.26	-4.46	12.40	-11.14	
Low Freq	0.63	0.36	1.33	-0.20	1.98	-0.72	<.0300
High Freq	0.00	3.14	5.19	-4.92	11.69	-11.69	>.0300
ML_1 (kips) Total	311.82	19.28	347.98	278.38	383.53	240.11	
Low Freq	311.82	3.27	317.56	304.79	323.98	299.66	<.0300
High Freq	-0.00	19.00	30.69	-30.22	70.67	-70.67	>.0300

RESPONSE SUMMARY,

File: A1106.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.07	8.81	14.14	-14.38	32.70	-32.84	Fr(Hz)
Pt Surge (ft) Total	-3.20	3.79	3.49	-10.99	10.89	-17.29	
Low Freq	-3.20	1.30	-1.23	-5.79	1.65	-8.05	<.0300
High Freq	0.00	3.56	5.47	-5.76	13.23	-13.23	>.0300
Pitch Total	0.04	0.86	1.34	-1.25	3.23	-3.15	
Low Freq	0.04	0.03	0.11	-0.09	0.15	-0.07	<.0300
High Freq	0.00	0.86	1.33	-1.26	3.19	-3.19	>.0300
Pt Heave (ft) Total	0.49	3.96	7.05	-5.54	15.24	-14.26	
Low Freq	0.49	0.24	0.88	0.06	1.39	-0.40	<.0300
High Freq	-0.00	3.96	6.33	-5.76	14.72	-14.72	>.0300
ML_1 (kips) Total	312.54	25.59	362.63	267.39	407.75	217.34	
Low Freq	312.54	5.66	323.97	303.16	333.59	291.50	<.0300
High Freq	0.00	24.96	39.33	-39.77	92.85	-92.85	>.0300

RESPONSE SUMMARY,

File: A1107.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.12	8.67	11.87	-13.81	32.13	-32.36	Fr(Hz)
Pt Surge (ft) Total	-1.17	4.06	6.13	-7.64	13.93	-16.28	
Low Freq	-1.17	0.40	0.21	-1.68	0.31	-2.65	<.0300
High Freq	-0.00	4.04	6.22	-6.58	15.03	-15.03	>.0300
Pitch Total	0.04	0.73	1.17	-1.12	2.75	-2.67	
Low Freq	0.04	0.02	0.11	-0.03	0.14	-0.05	<.0300
High Freq	-0.00	0.73	1.12	-1.14	2.71	-2.71	>.0300
Pt Heave (ft) Total	0.45	4.32	7.62	-6.11	16.51	-15.61	
Low Freq	0.45	0.15	0.87	-0.00	1.00	-0.10	<.0300
High Freq	0.00	4.32	7.18	-6.32	16.06	-16.06	>.0300
ML_1 (kips) Total	303.98	27.90	347.98	256.41	407.79	200.18	
Low Freq	303.98	2.10	307.37	296.30	311.79	296.18	<.0300
High Freq	0.00	27.83	41.69	-42.21	103.51	-103.51	>.0300

RESPONSE SUMMARY,

File: A1108.CSV

05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	0.21	5.62	21.36	-18.84	21.10	-20.69	Fr(Hz)
Pt Surge (ft) Total	-6.30	6.97	13.30	-26.13	19.62	-32.22	
Low Freq	-6.30	6.93	11.81	-23.80	19.48	-32.08	<.0300
High Freq	-0.00	0.72	4.42	-3.60	2.67	-2.67	>.0300
Pitch Total	0.03	0.61	1.92	-2.57	2.29	-2.23	
Low Freq	0.03	0.45	1.38	-1.41	1.71	-1.65	<.0300
High Freq	0.00	0.41	1.84	-1.27	1.51	-1.51	>.0300
Pt Heave (ft) Total	0.84	2.23	9.80	-5.10	9.14	-7.45	
Low Freq	0.84	1.97	7.16	-4.14	8.19	-6.50	<.0300
High Freq	-0.00	1.04	4.27	-4.13	3.86	-3.86	>.0300
ML_1 (kips) Total	326.48	38.52	520.14	216.11	469.79	183.17	
Low Freq	326.48	37.79	467.99	230.60	467.06	185.90	<.0300
High Freq	-0.00	7.48	54.34	-44.90	27.84	-27.84	>.0300

RESPONSE SUMMARY,

File: A1109.CSV

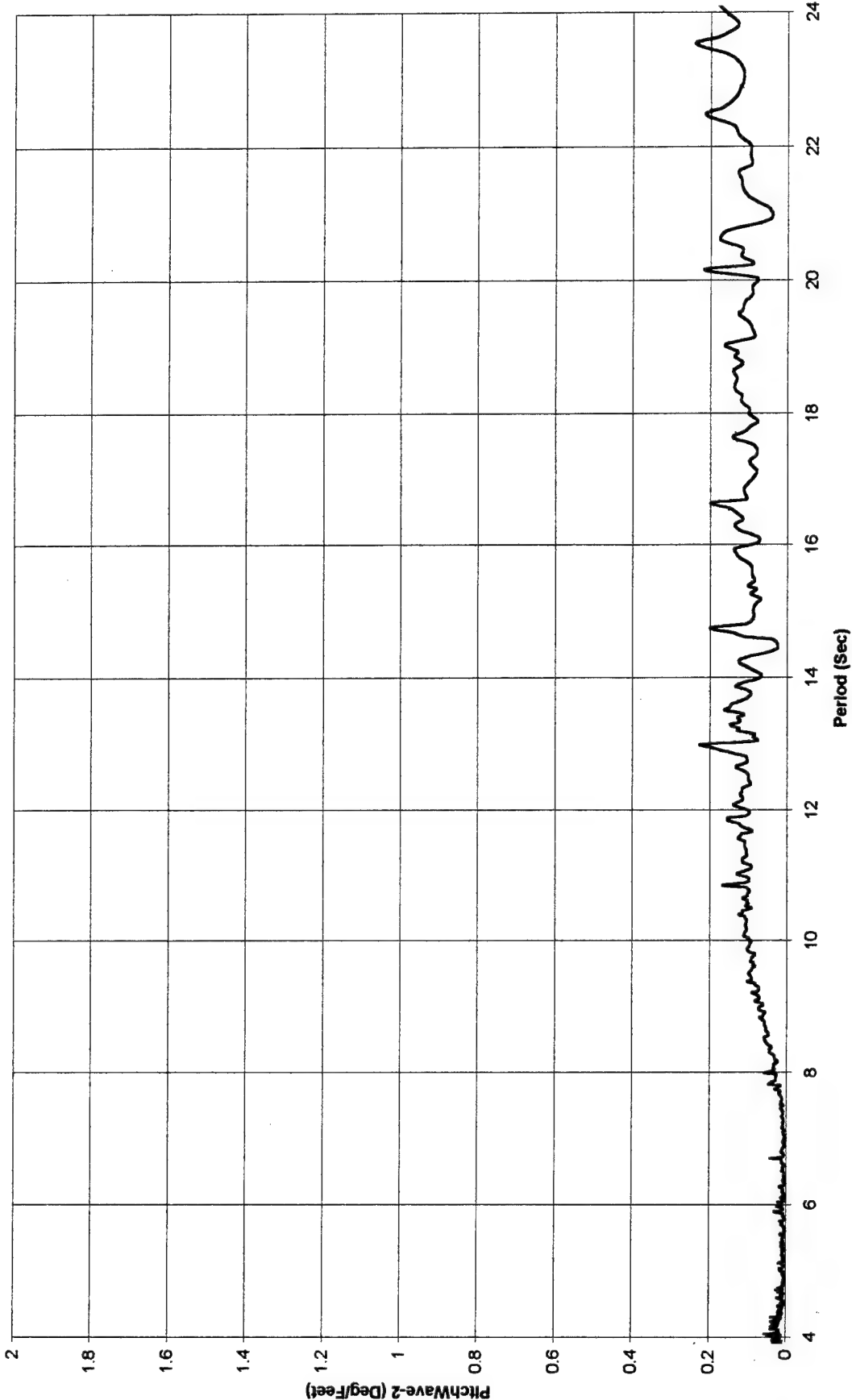
05-06-1996

Response Component	Mean	Std dev	Max	Min	1/1000+	1/1000-	Filter
Wave Elevation (ft)	-0.22	11.25	44.41	-42.12	41.64	-42.09	Fr(Hz)
Pt Surge (ft) Total	-13.79	13.30	31.67	-56.74	35.69	-63.28	
Low Freq	-13.79	12.93	31.29	-51.58	34.29	-61.88	<.0300
High Freq	0.00	3.14	14.37	-14.94	11.69	-11.69	>.0300
Pitch Total	-0.18	1.20	3.61	-5.41	4.26	-4.63	
Low Freq	-0.18	0.62	1.21	-2.00	2.14	-2.50	<.0300
High Freq	0.00	1.02	4.02	-4.29	3.79	-3.79	>.0300
Pt Heave (ft) Total	1.17	5.20	26.54	-19.12	20.53	-18.18	
Low Freq	1.17	3.36	11.62	-8.21	13.67	-11.32	<.0300
High Freq	0.00	3.97	19.84	-17.64	14.78	-14.78	>.0300
ML_1 (kips) Total	389.22	128.92	1336.97	113.55	868.79	-90.34	
Low Freq	389.23	118.63	1015.64	121.73	830.53	-52.08	<.0300
High Freq	-0.00	50.46	422.45	-338.05	187.72	-187.72	>.0300

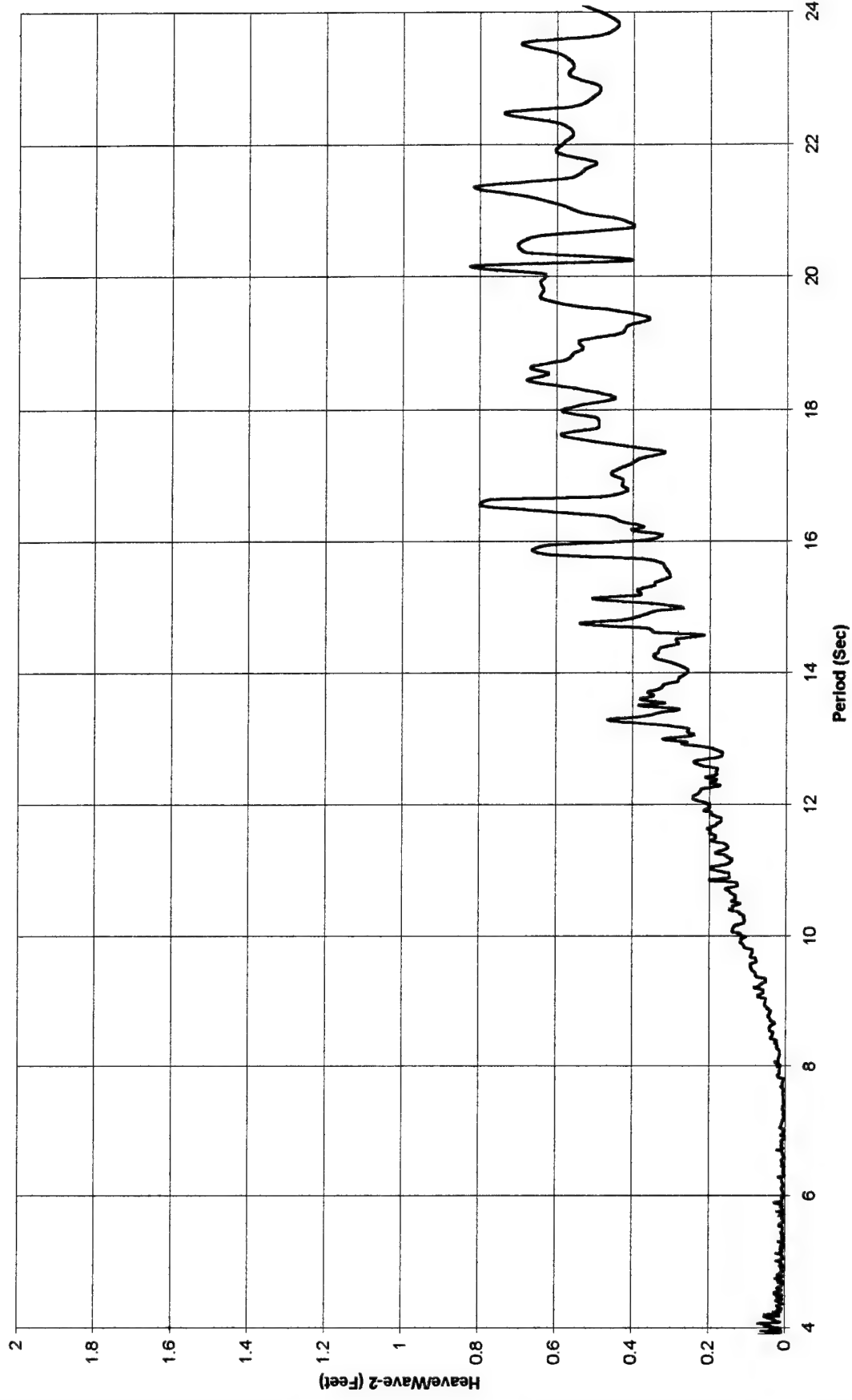
APPENDIX G

RAO PLOTS

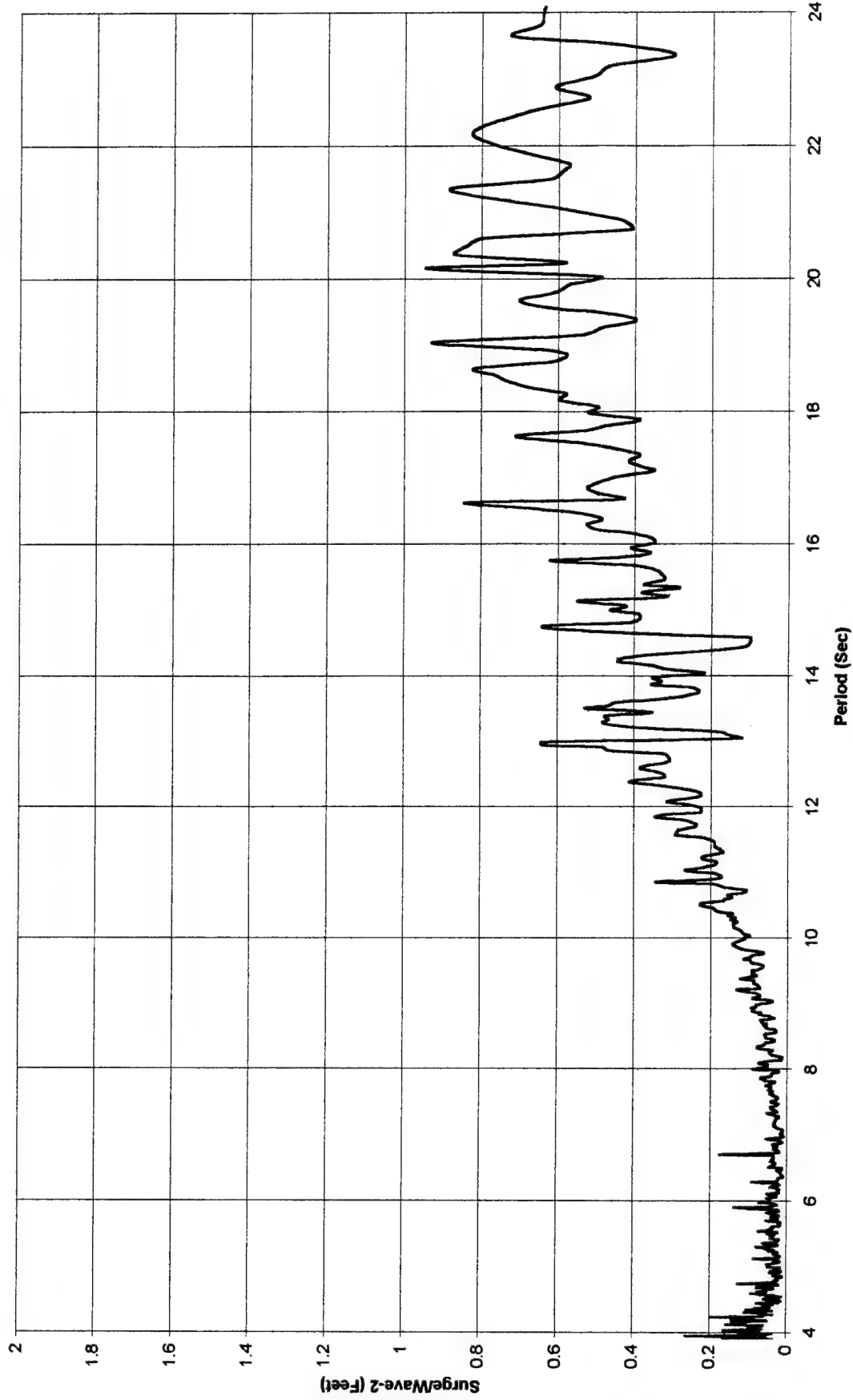
Test 121 - PITCH RAO



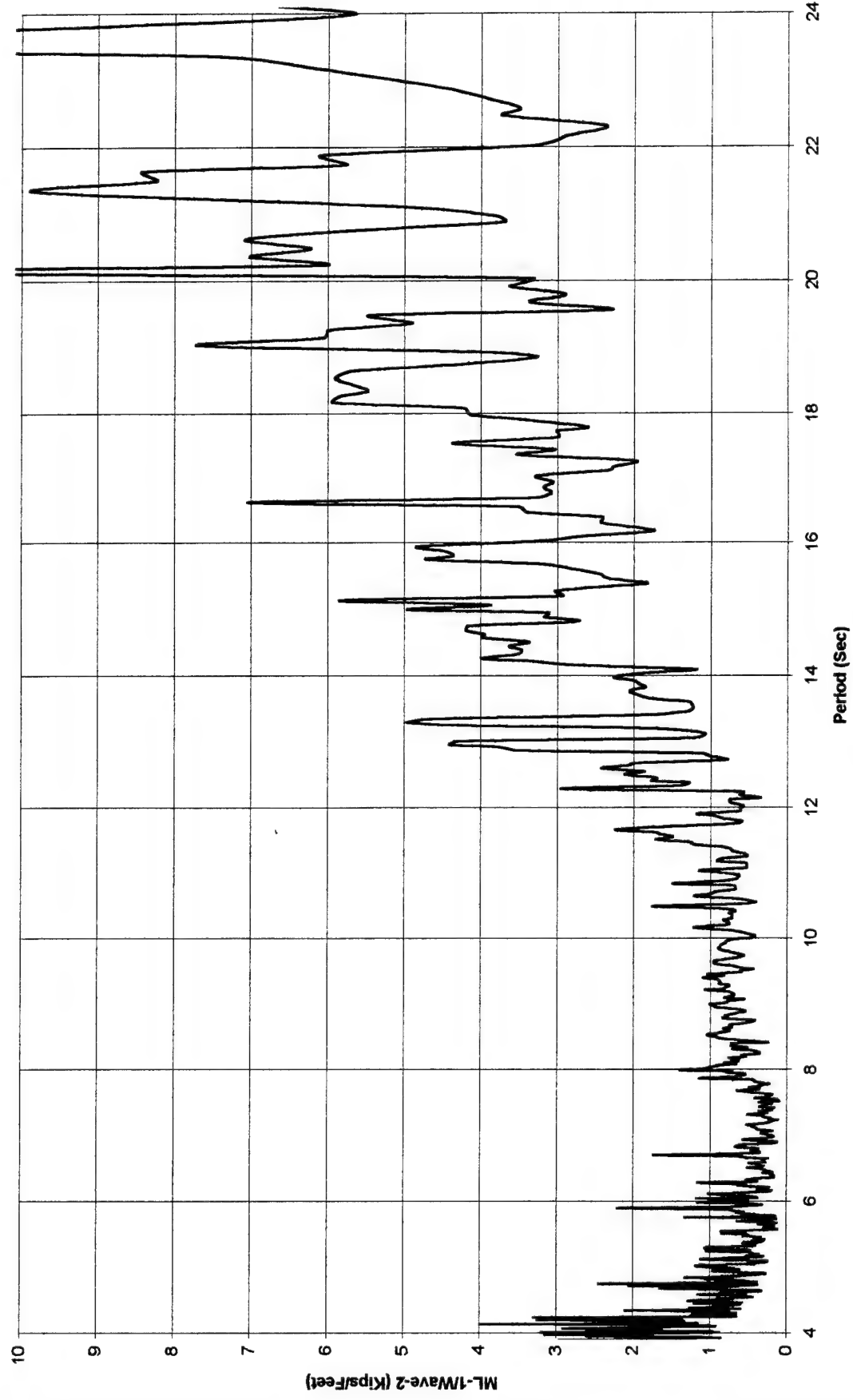
Test 121 - HEAVE RAO



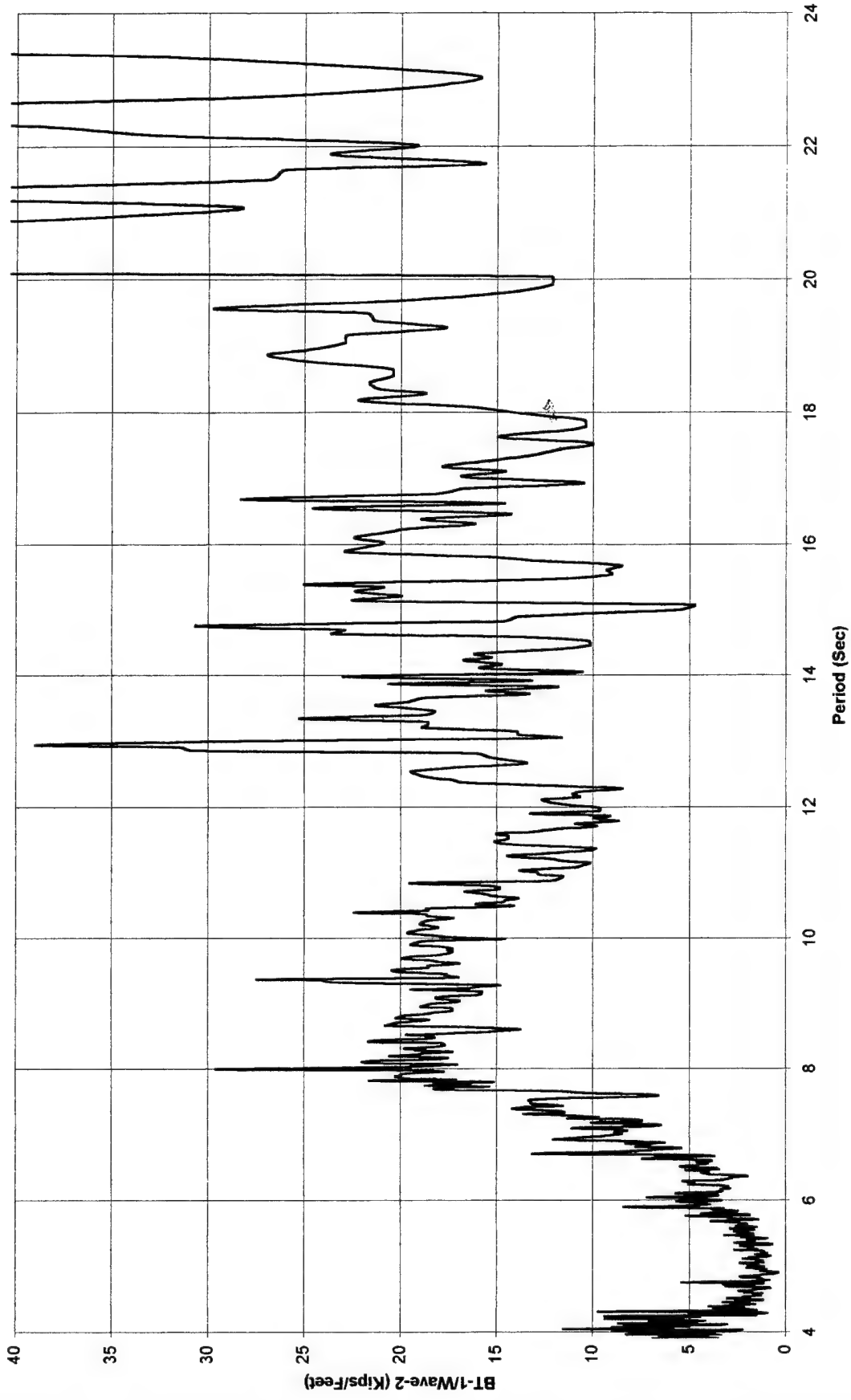
Test 121 - SURGE RAO



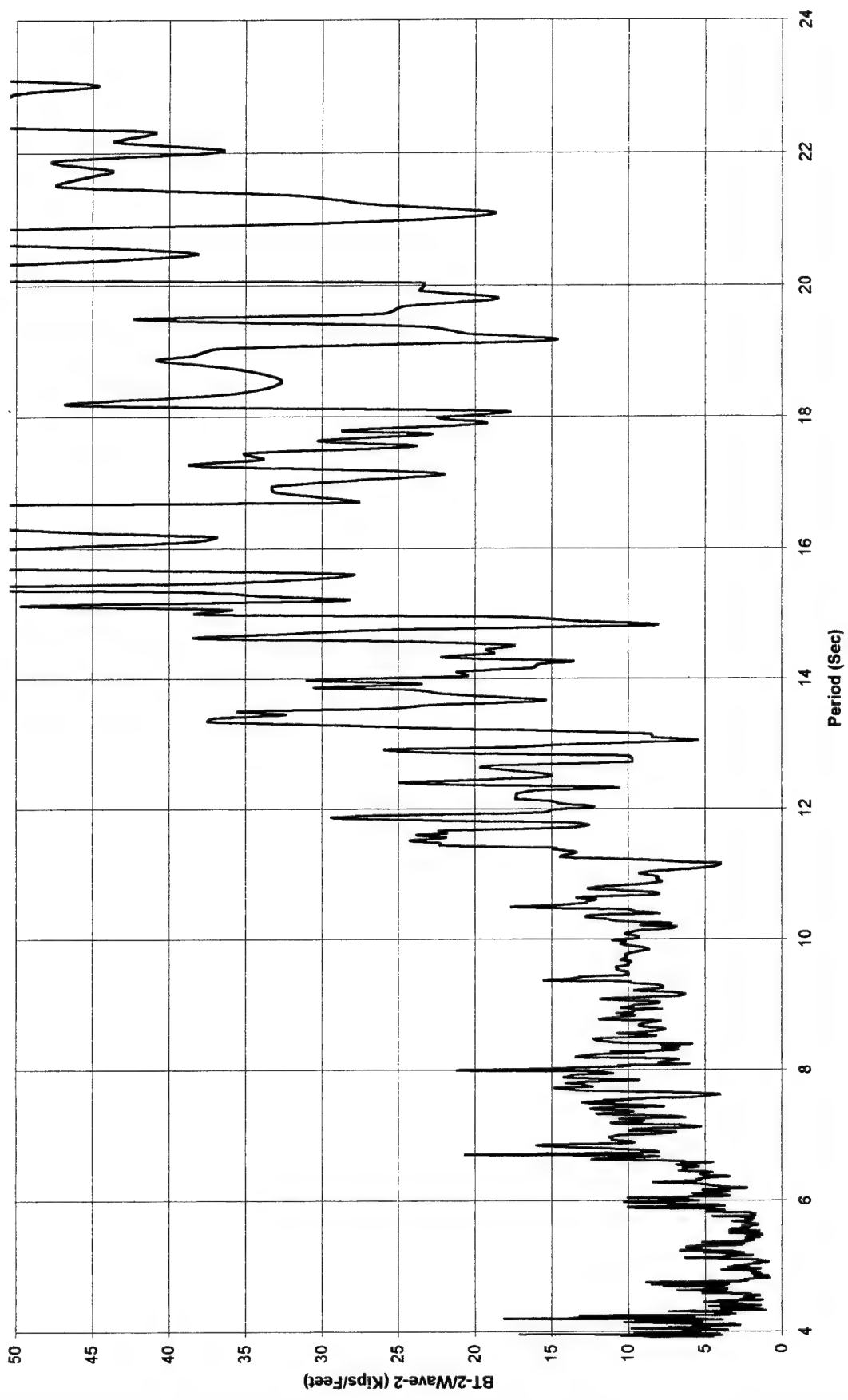
Test 121 - ML-1 RAO



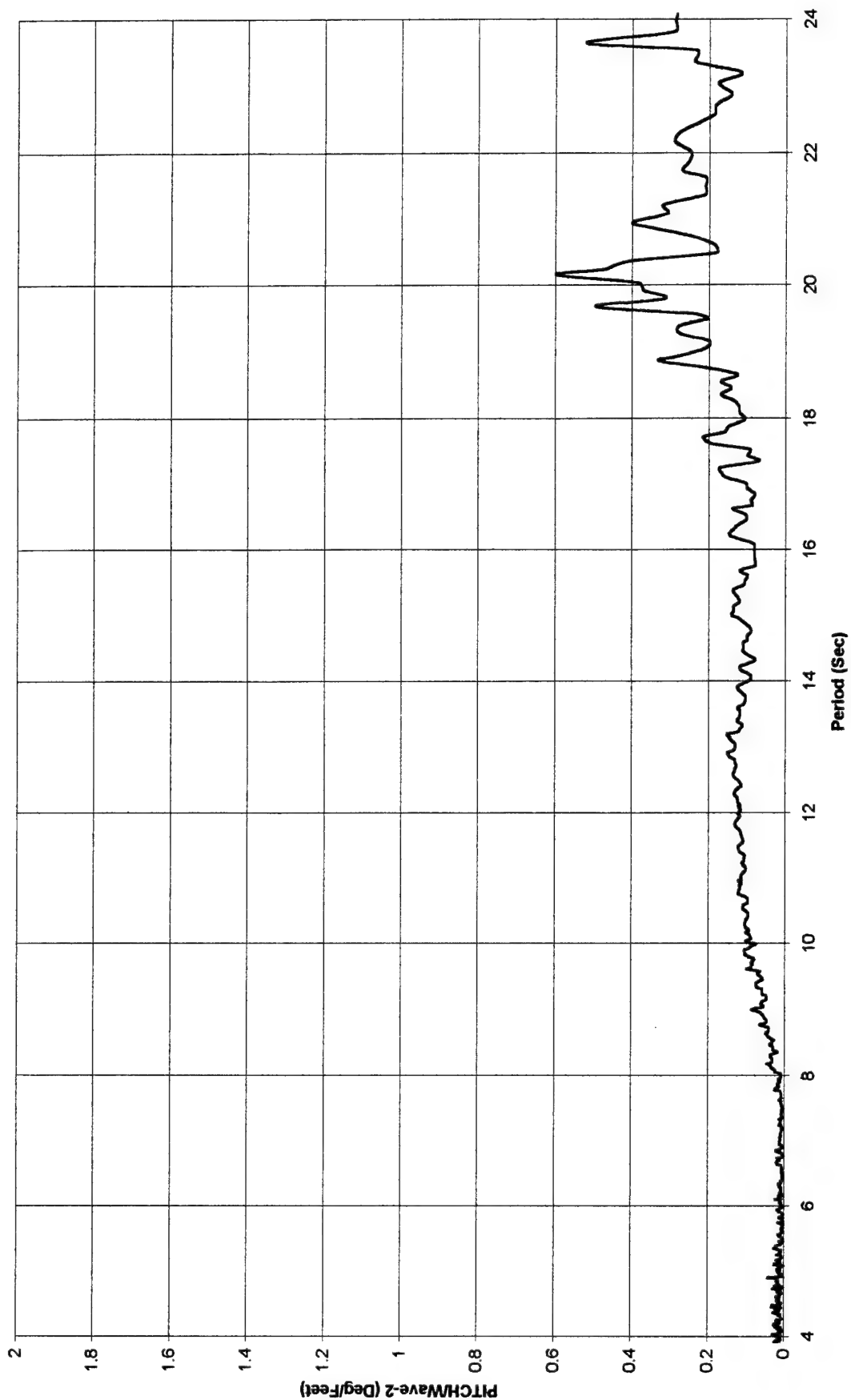
Test 121 - BT-1 RAO



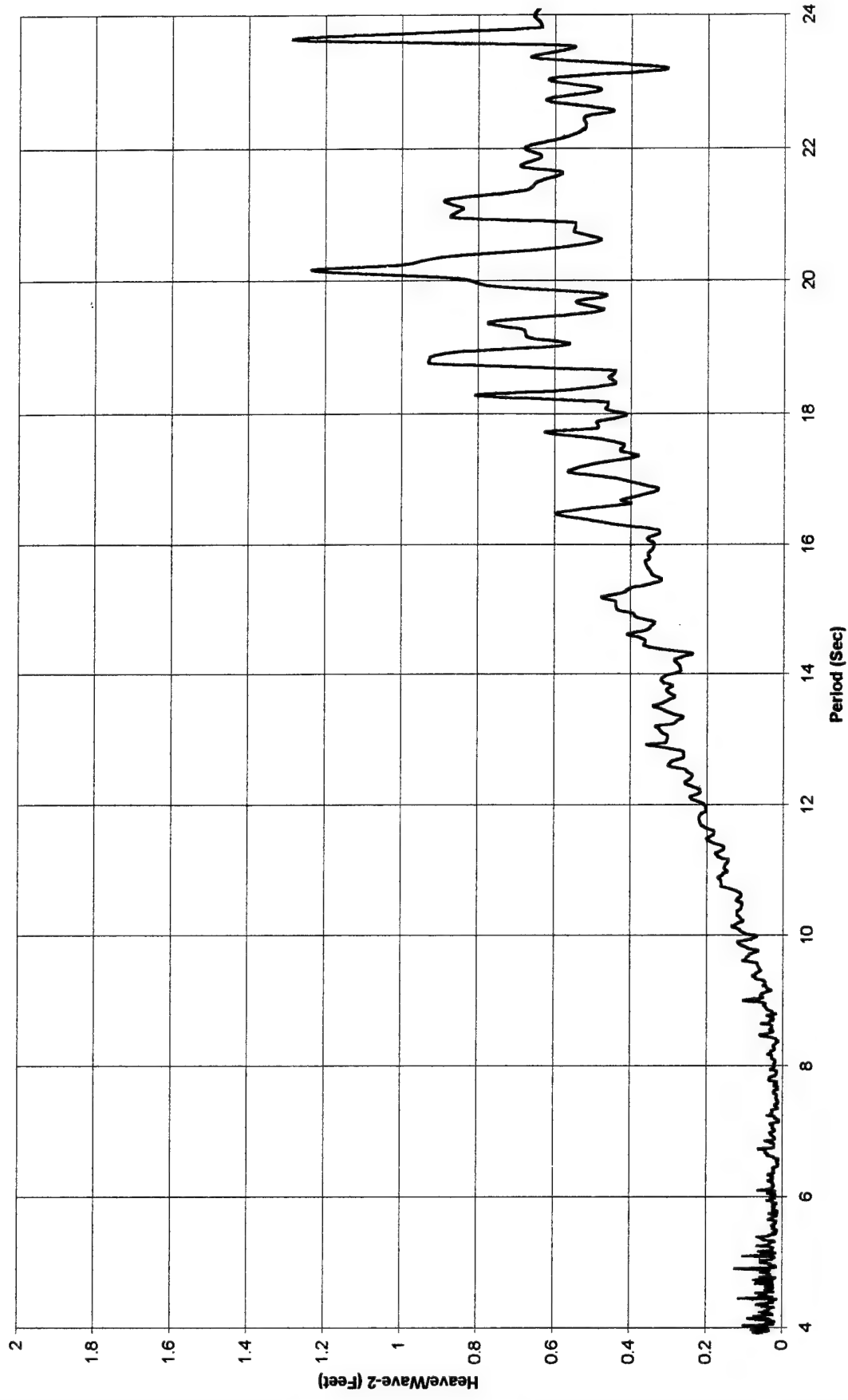
Test 121 - BT-2 RAO



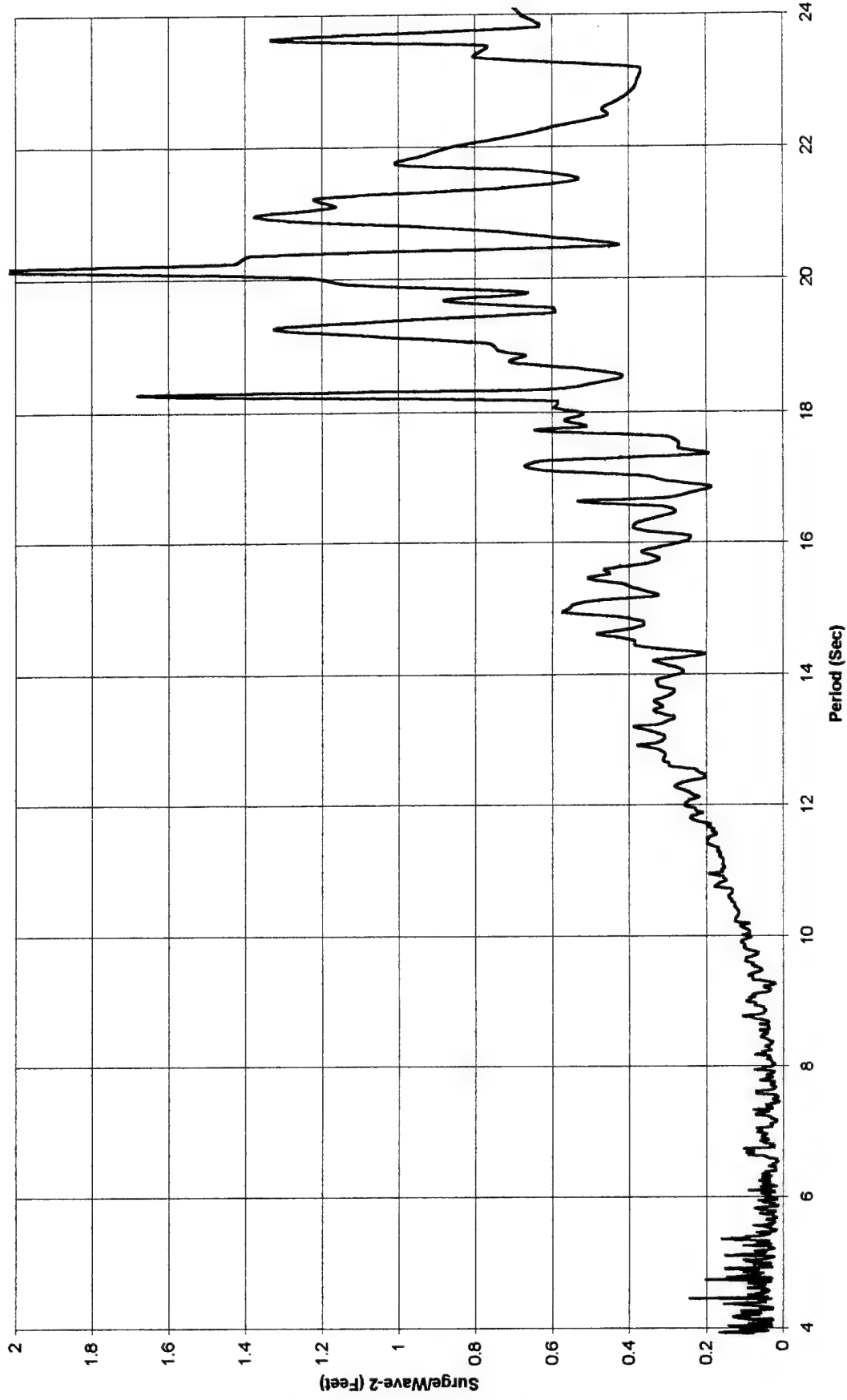
Test 122- PITCH RAO



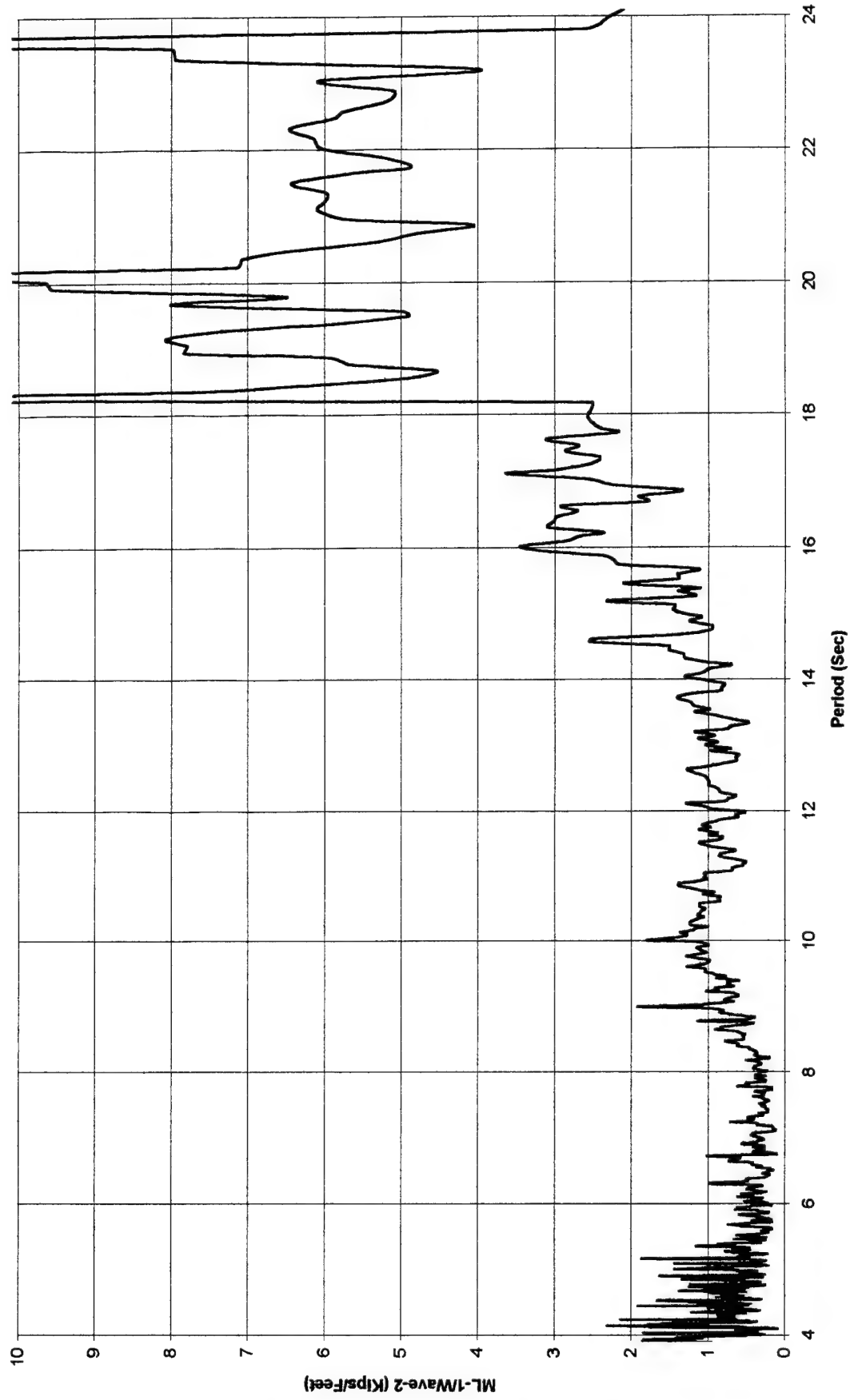
Test 122 - HEAVE RAO



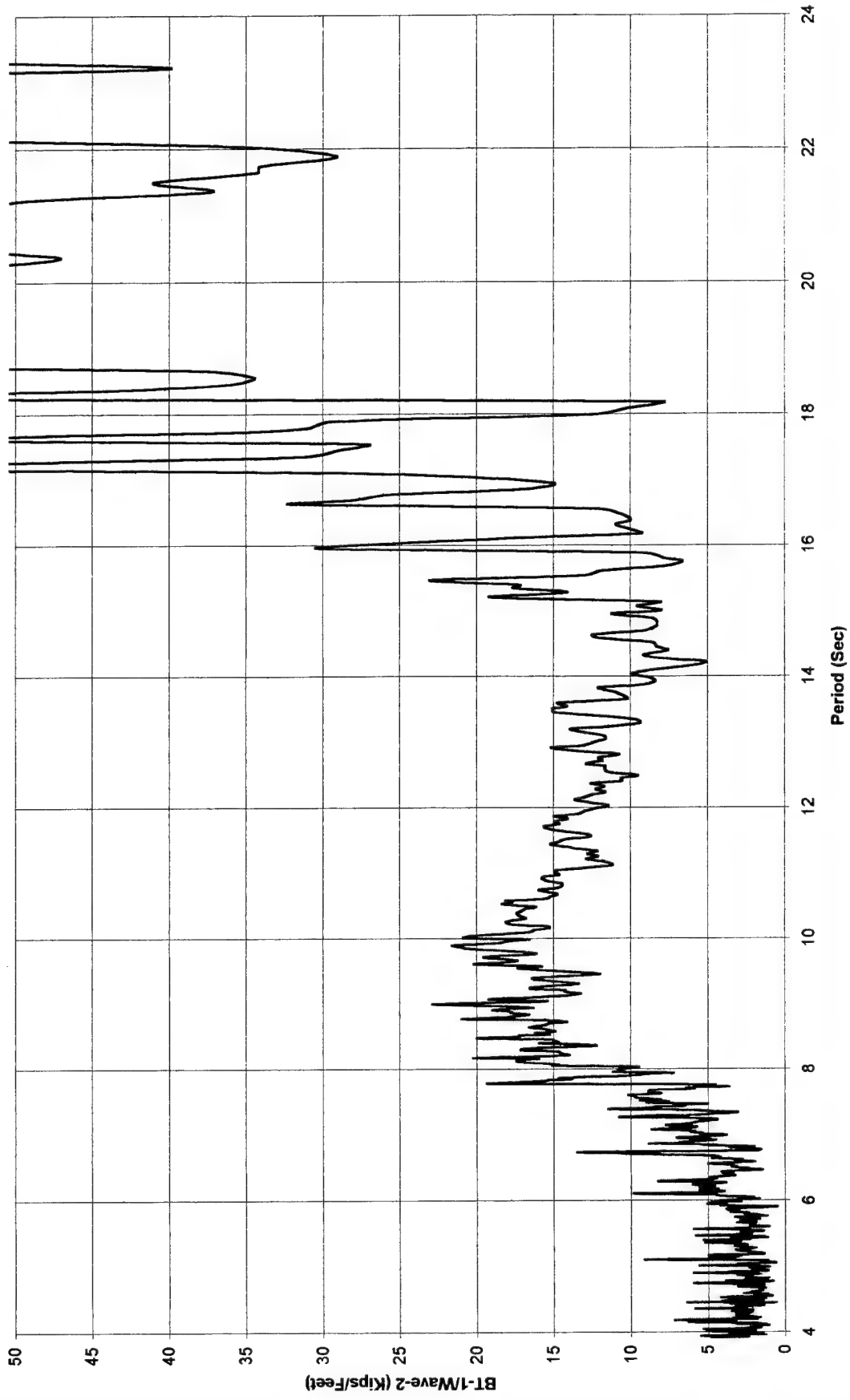
Test 122 - SURGE RAO



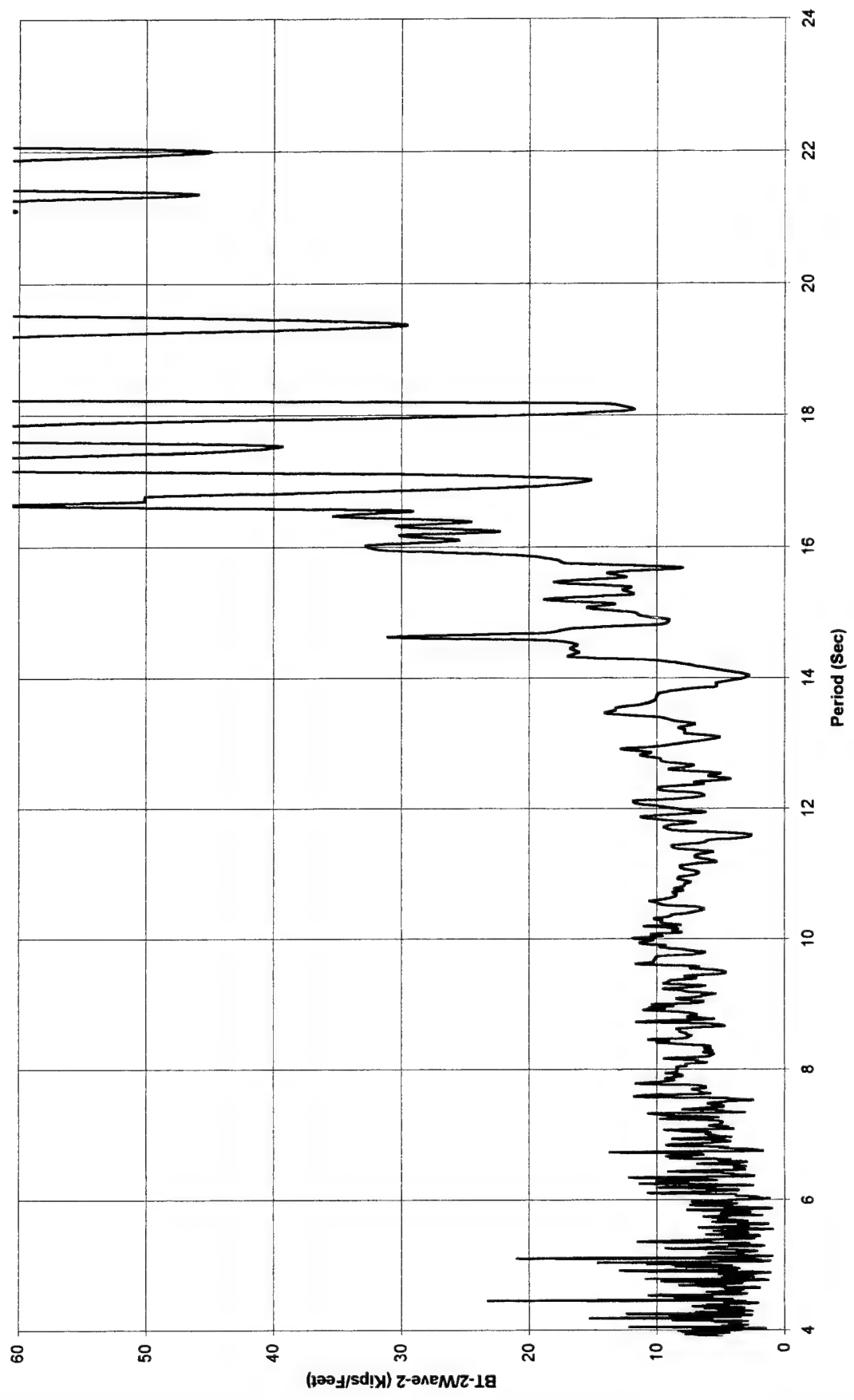
Test 122 - ML-1 RAO



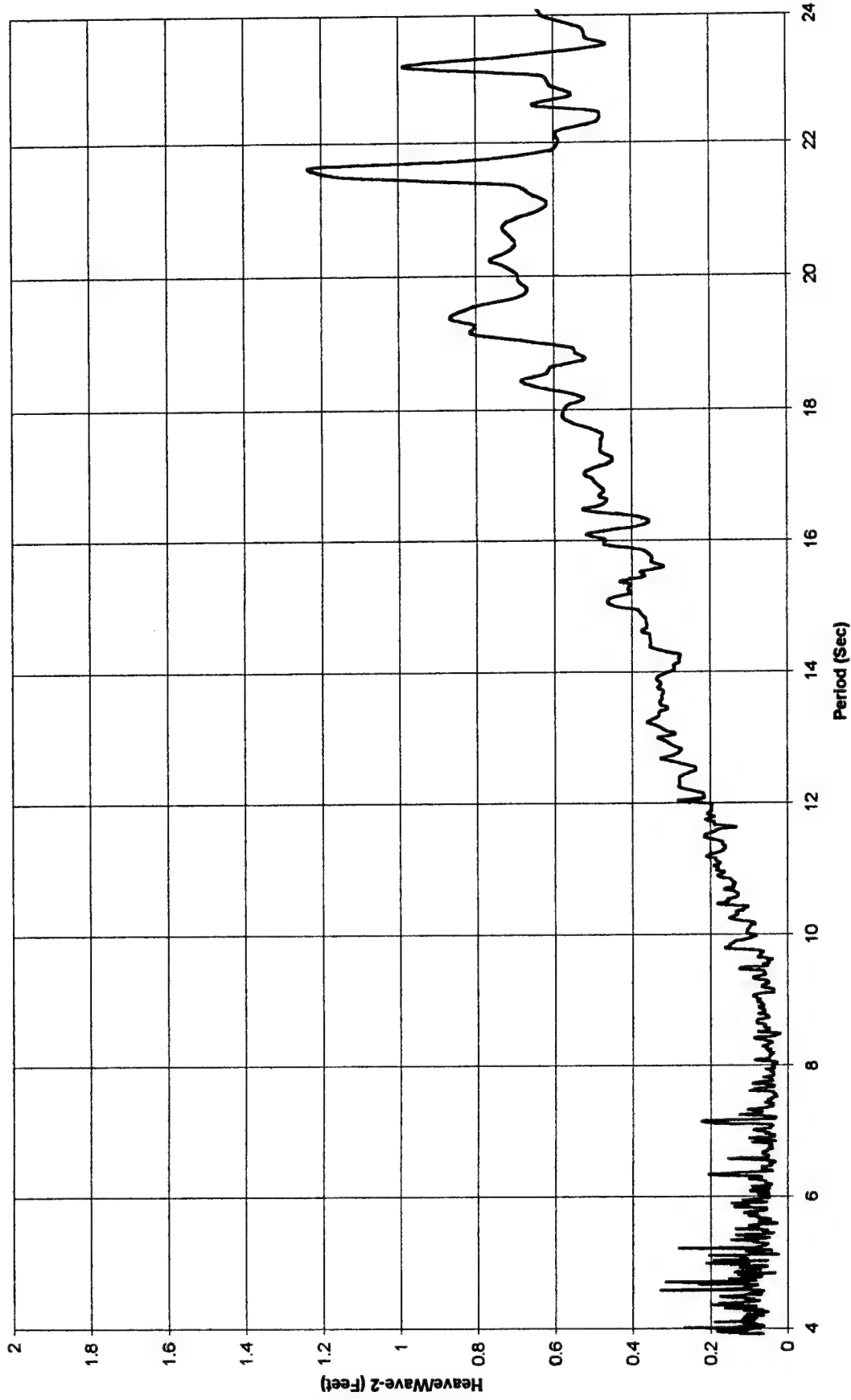
Test 122 - BT-1 RAO



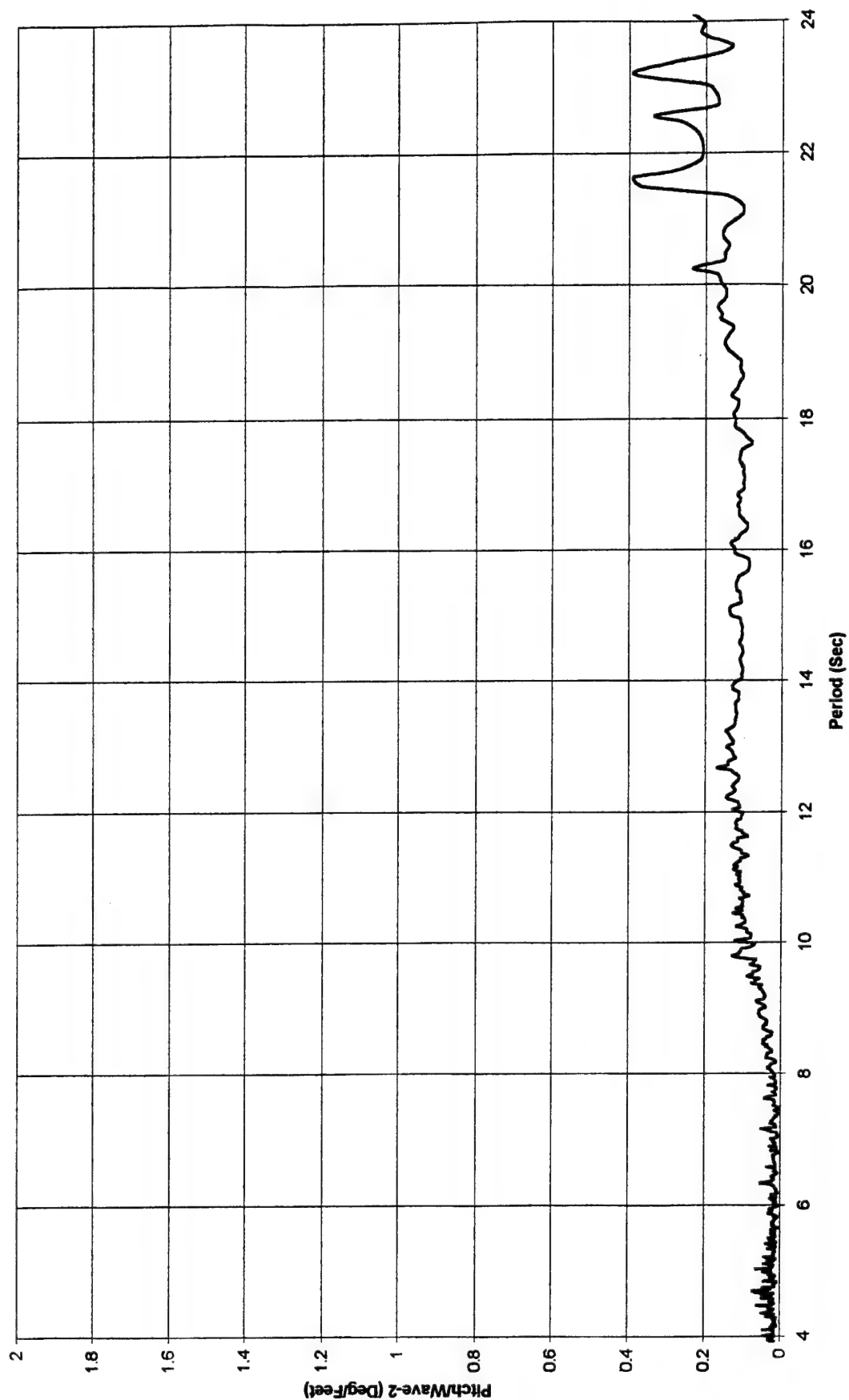
Test 122 - BT-2 RAO



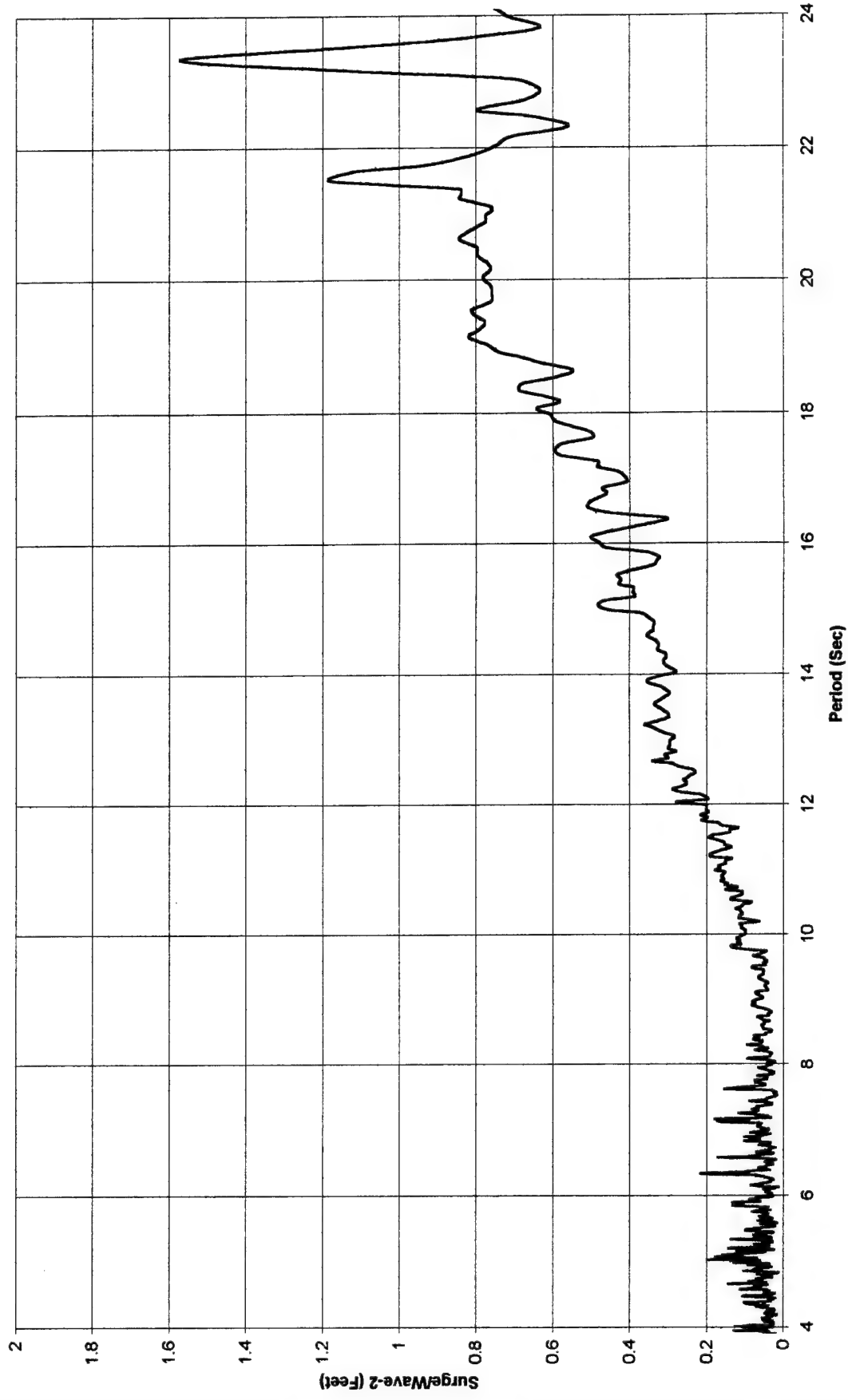
Test 123 - HEAVE RAO



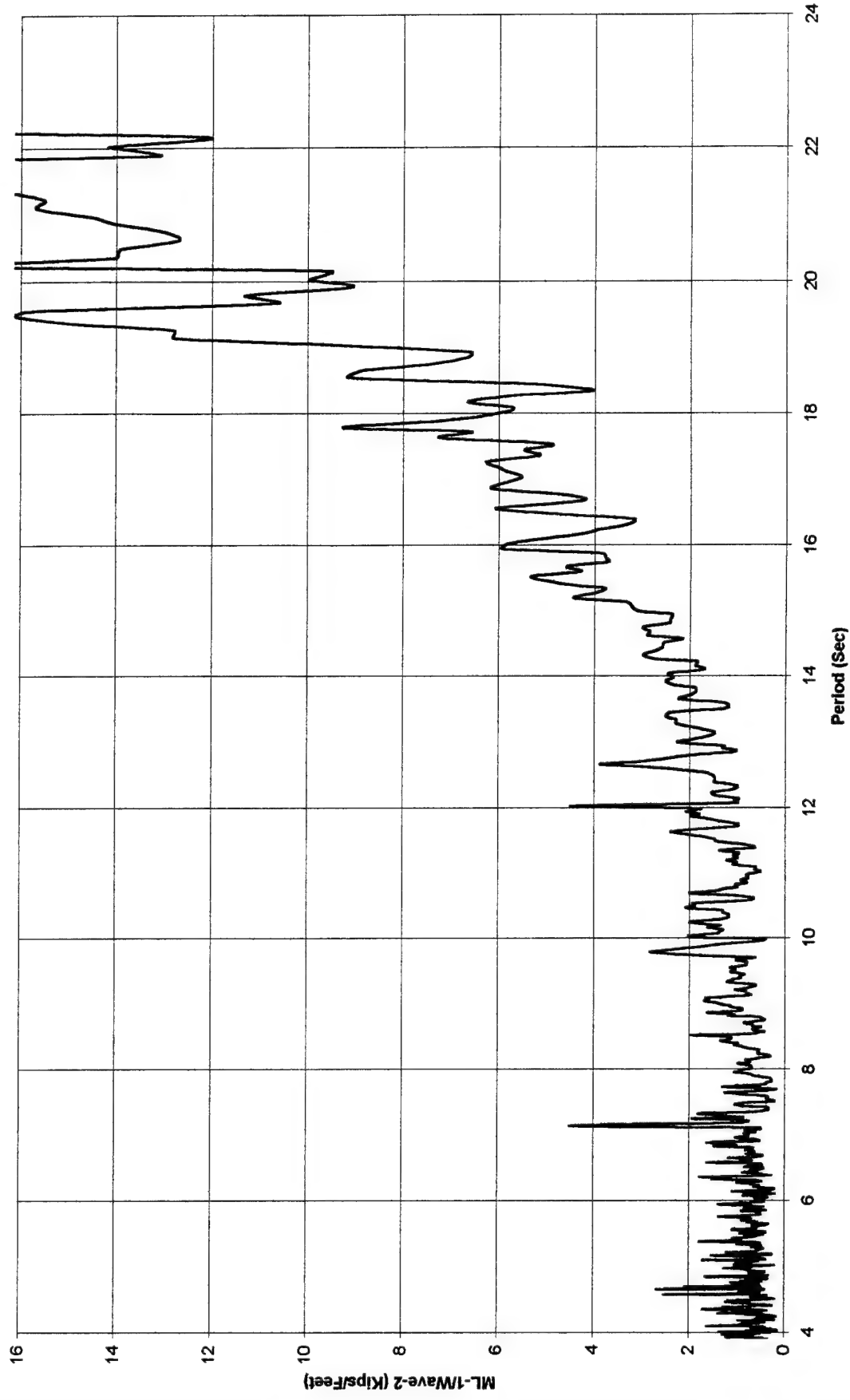
Test 123 - PITCH RAO



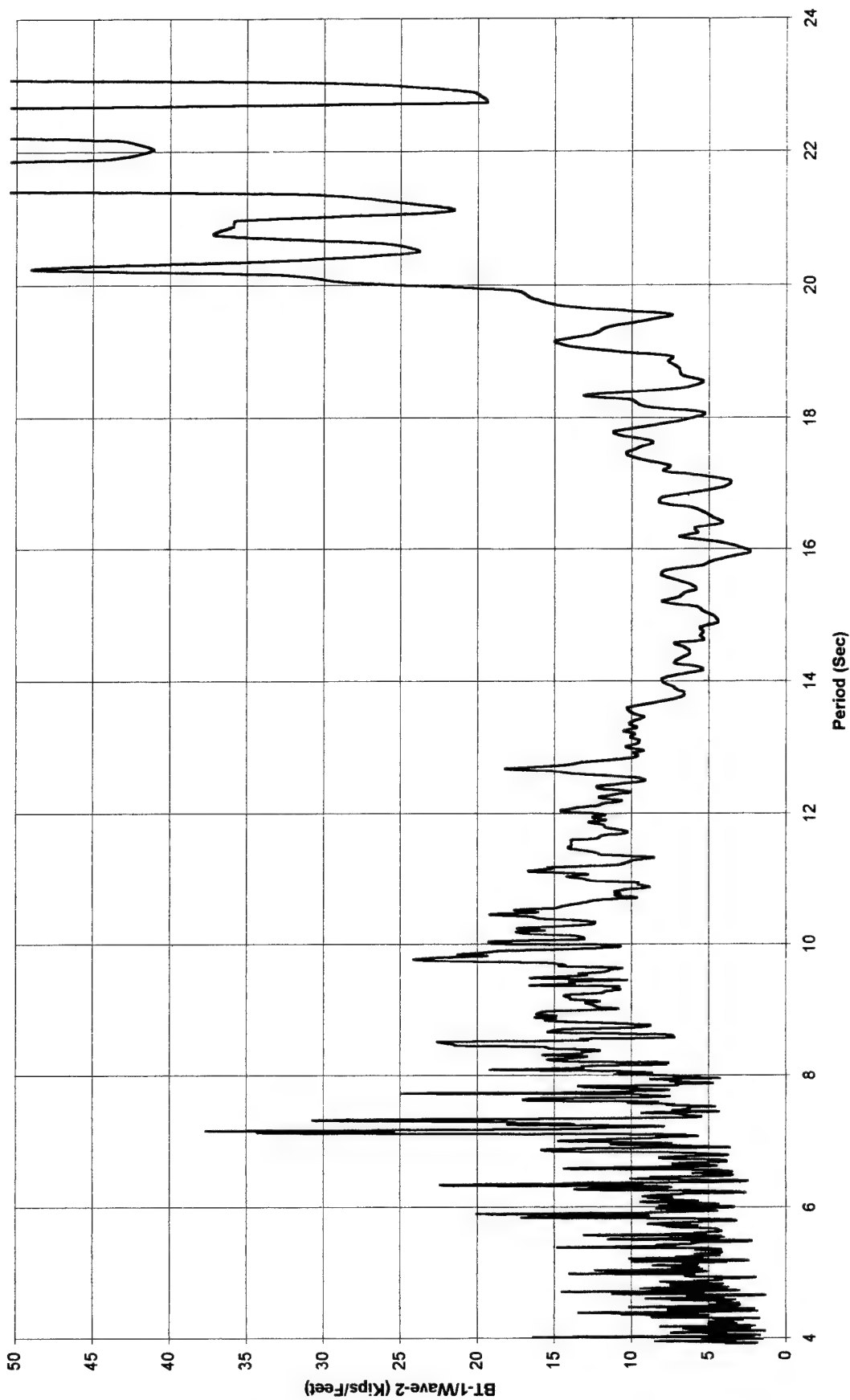
Test 123 - SURGE RAO



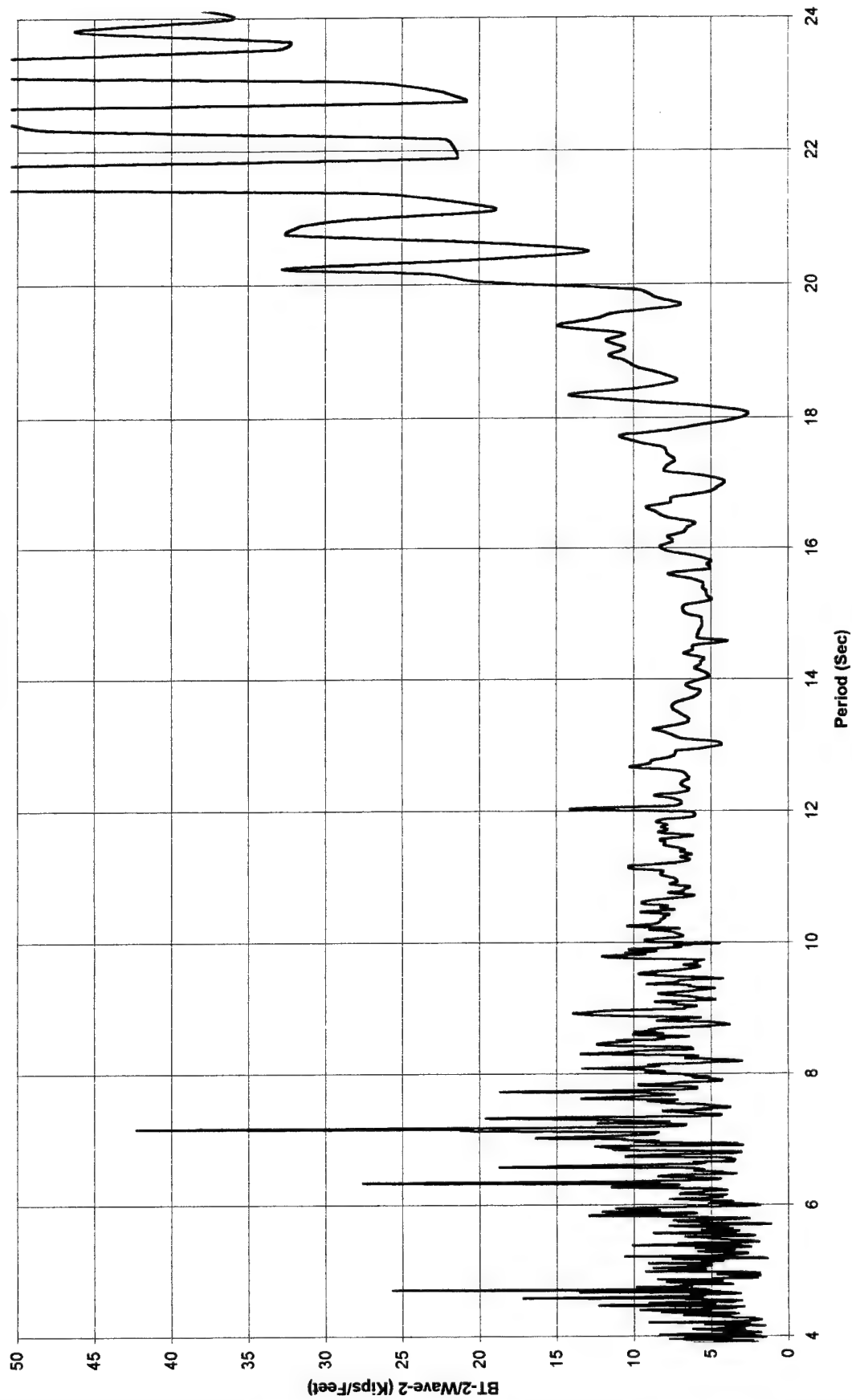
Test 123 - ML-1 RAO



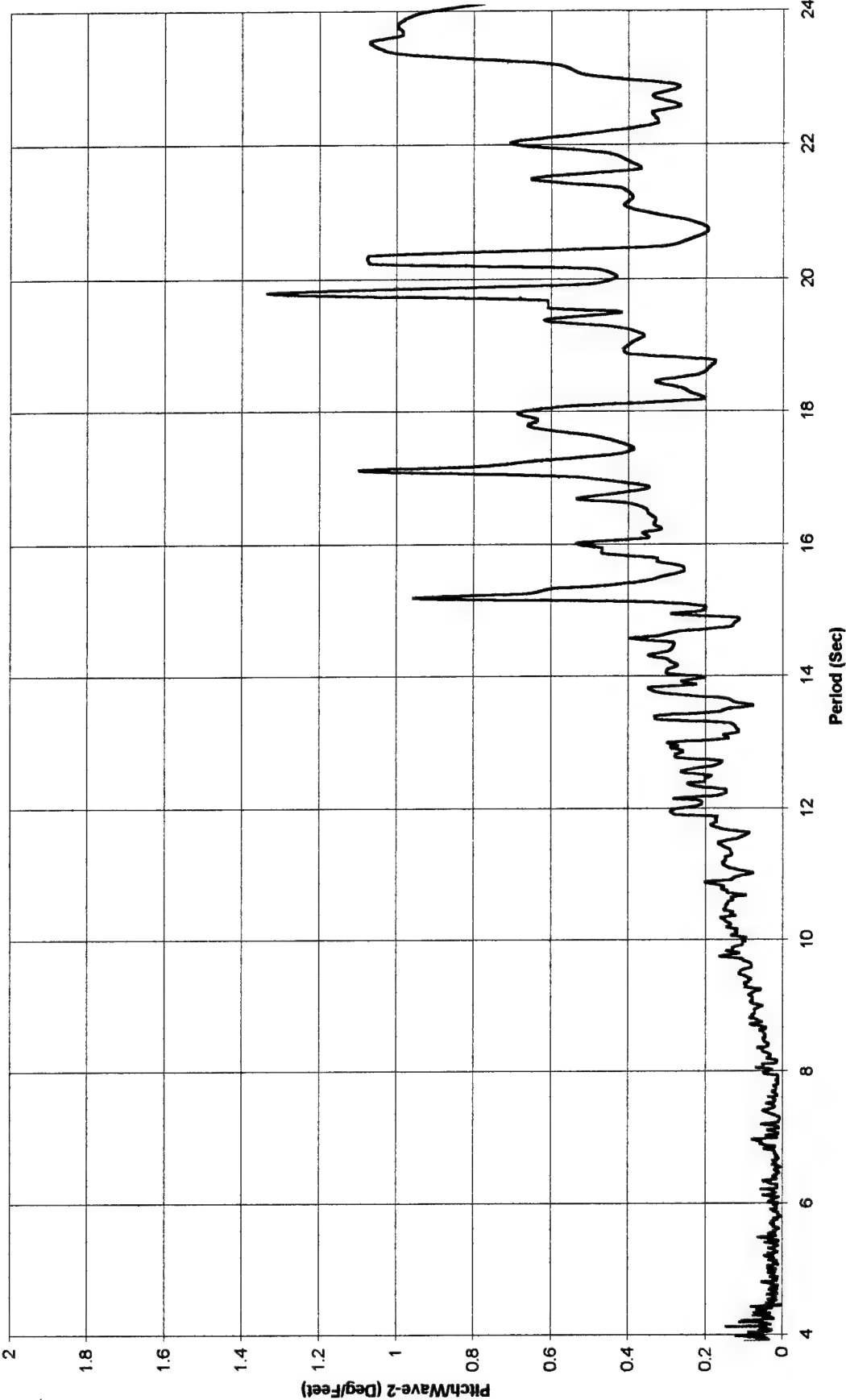
Test 123 - BT-1 RAO



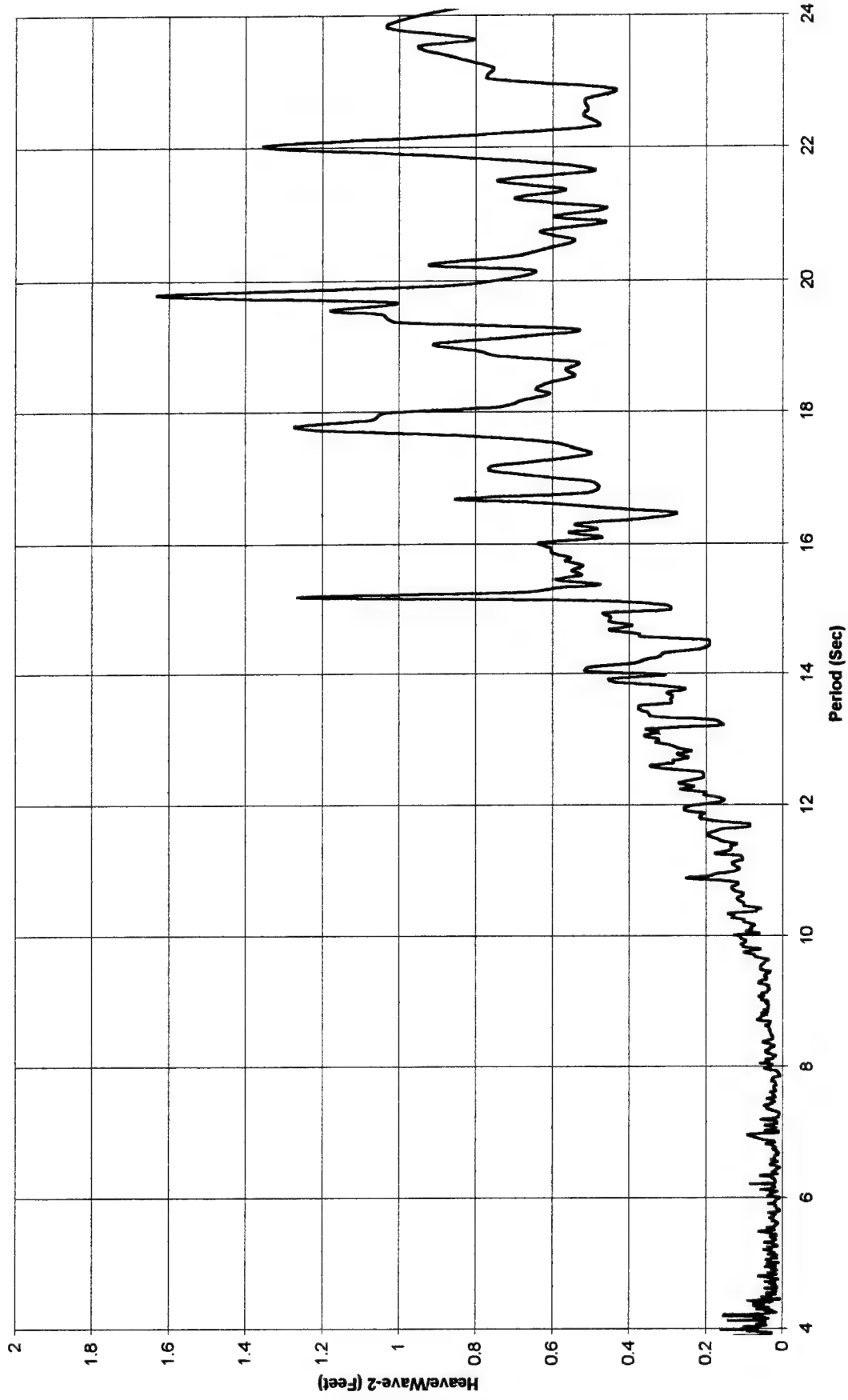
Test 123 - BT-2 RAO



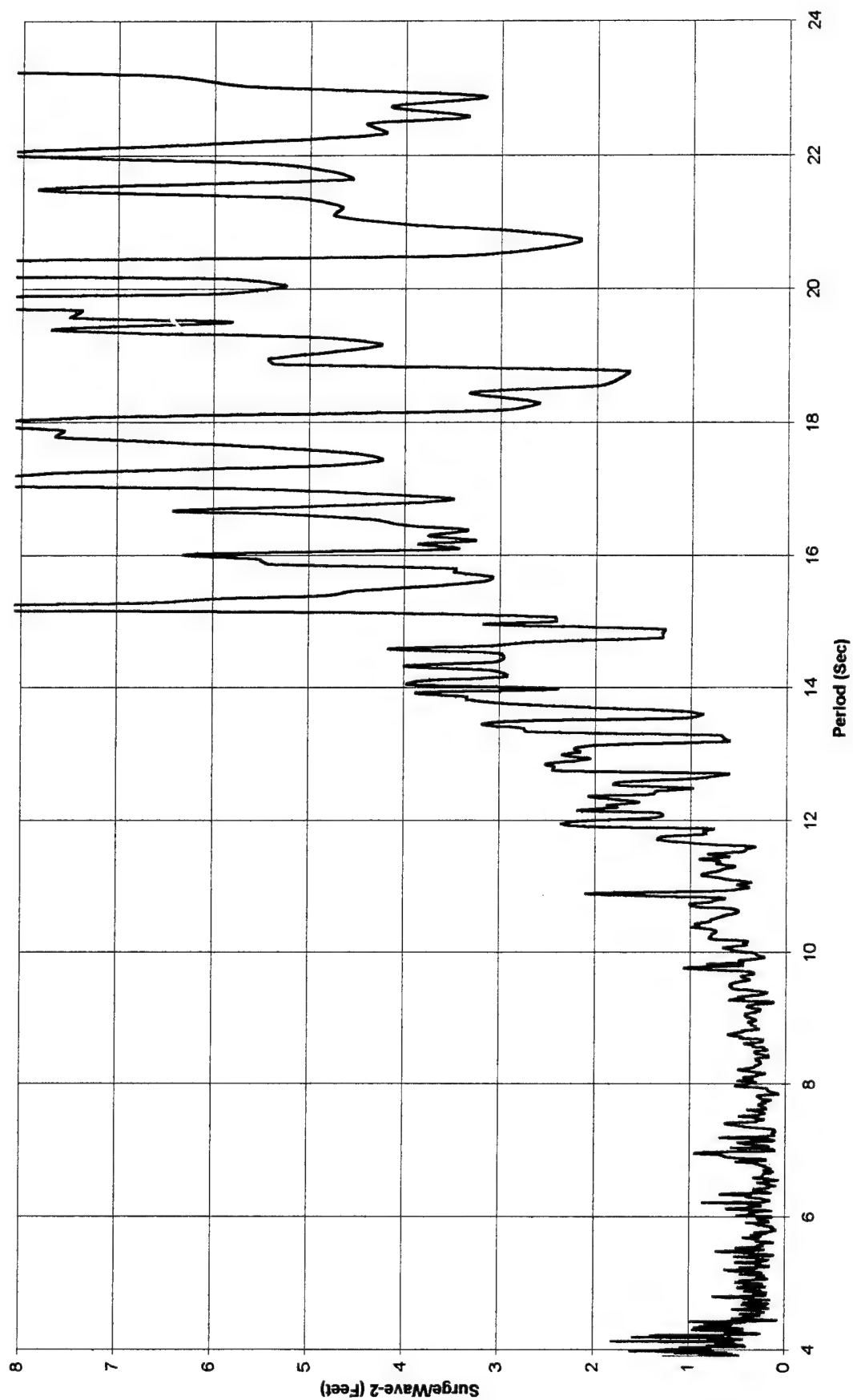
Test 221 - PITCH RAO



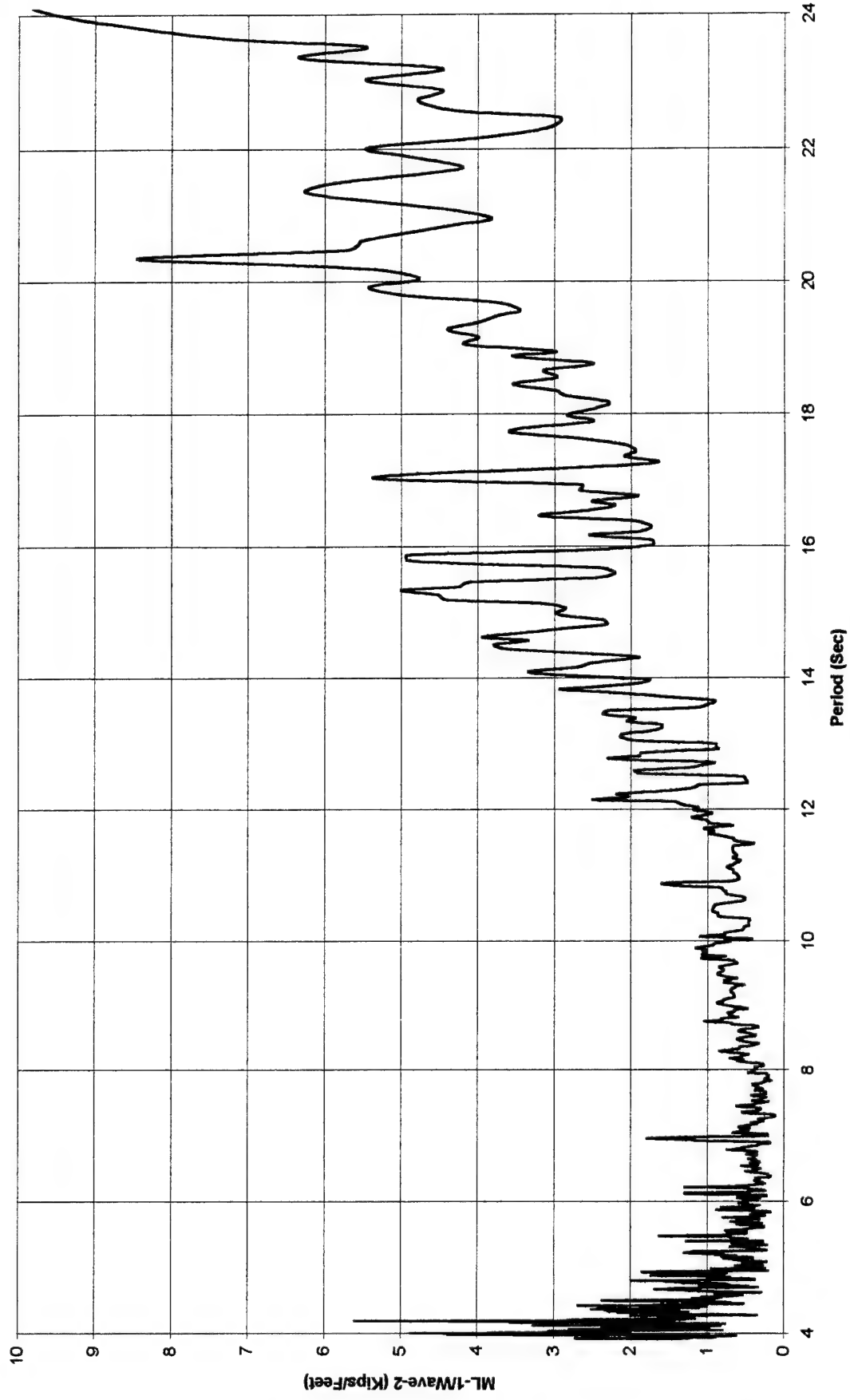
Test 221 - HEAVE RAO



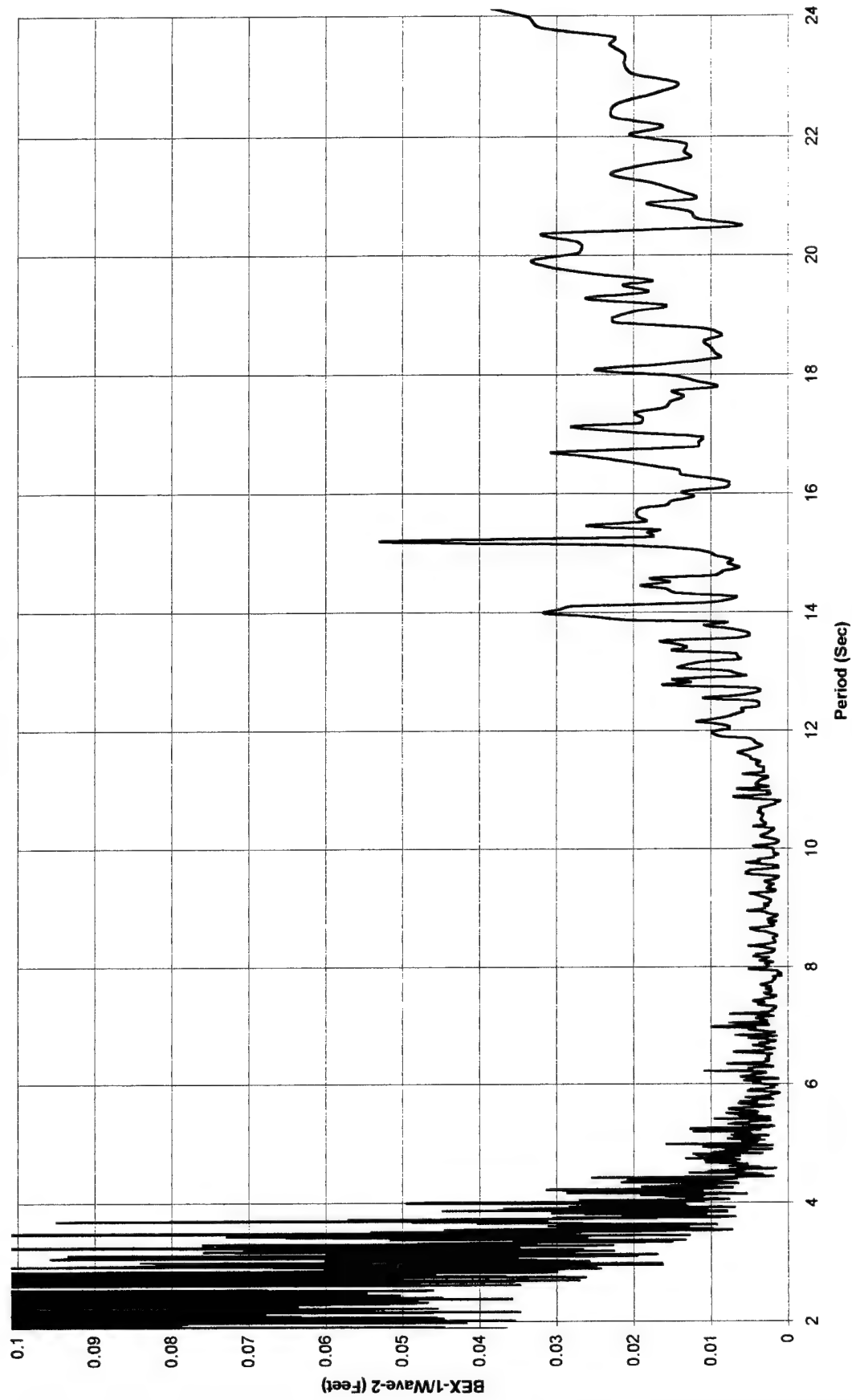
Test 221 - SURGE RAO



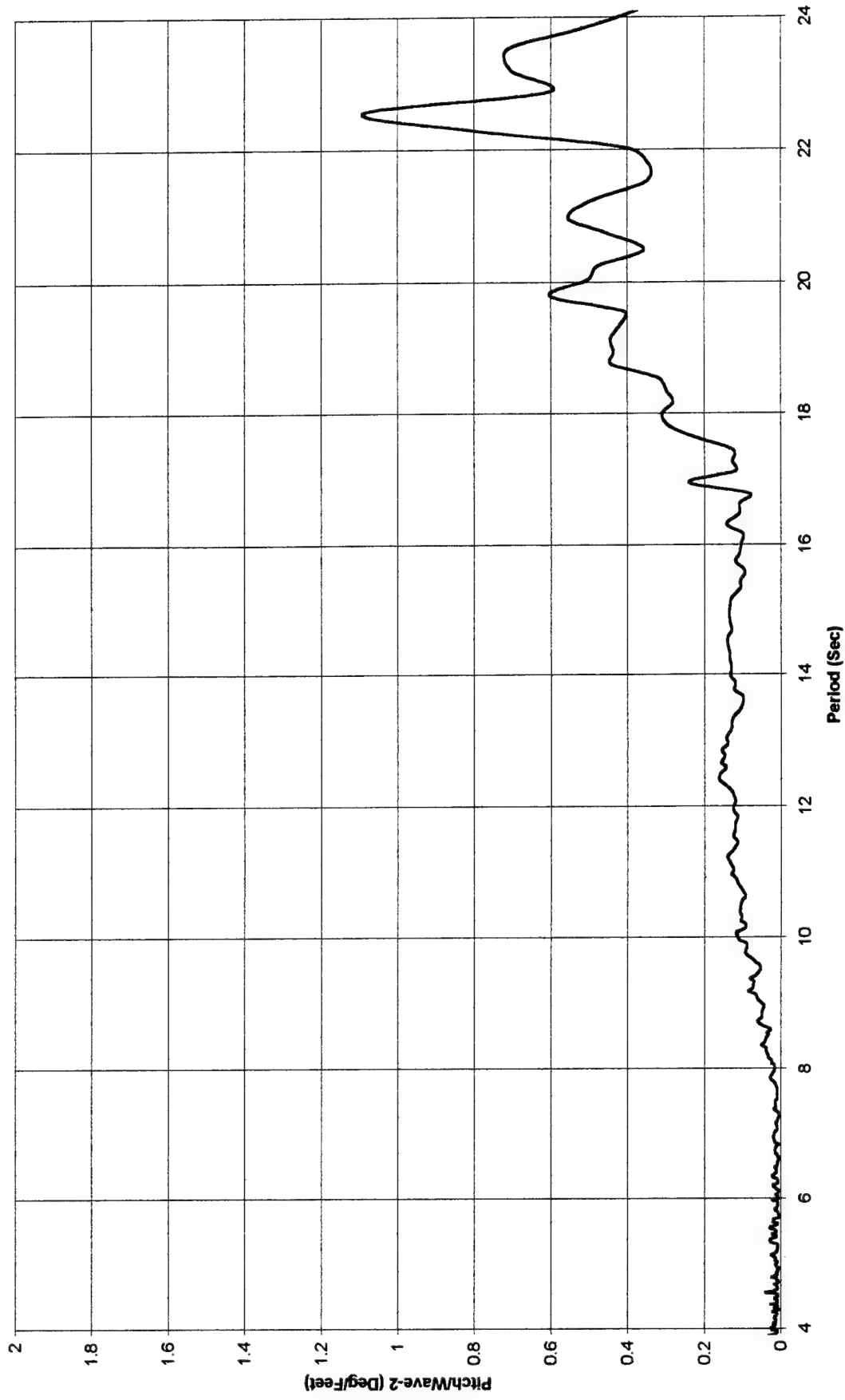
Test 221 - ML-1 RAO



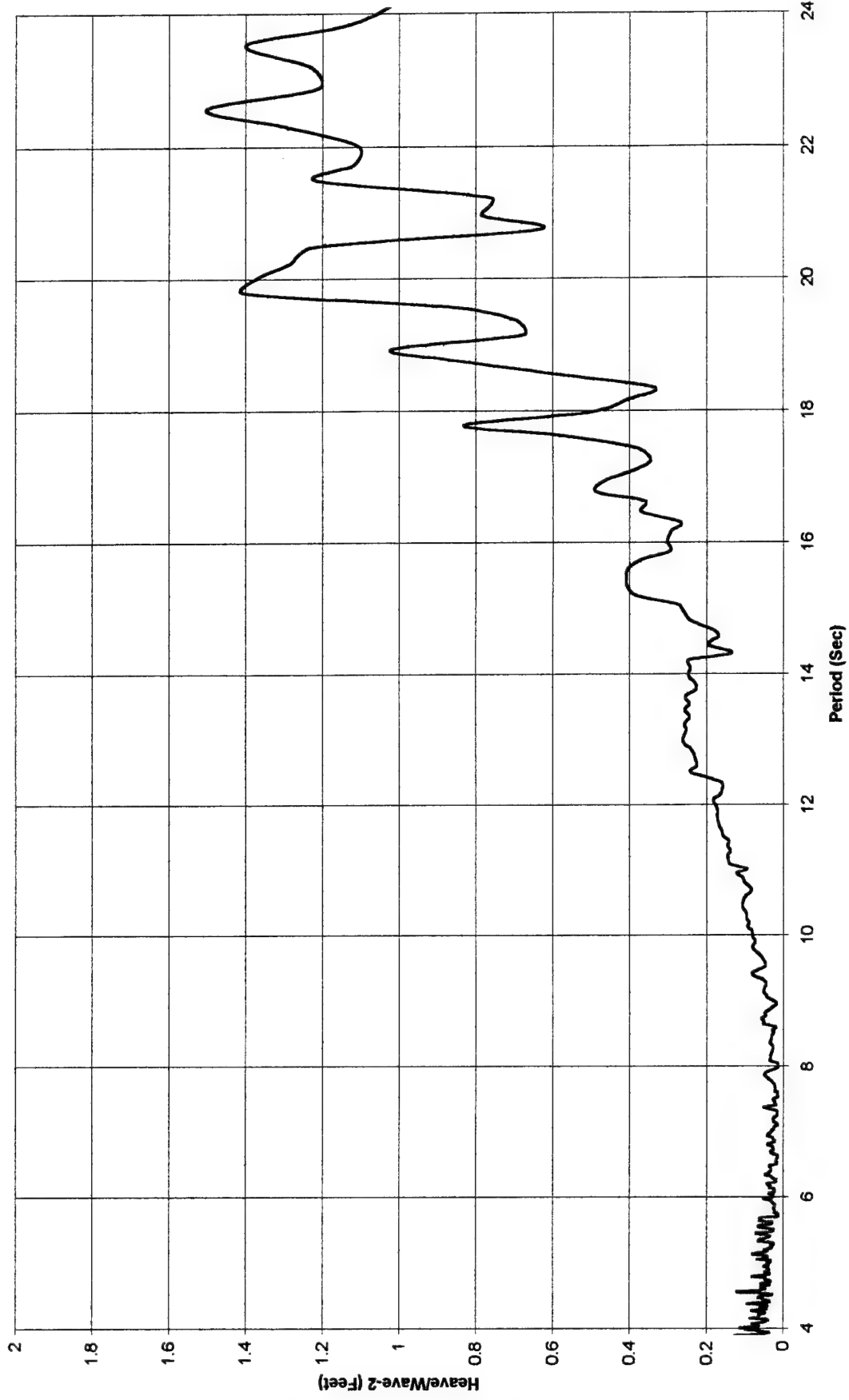
Test 221 - BEX-1 RAO



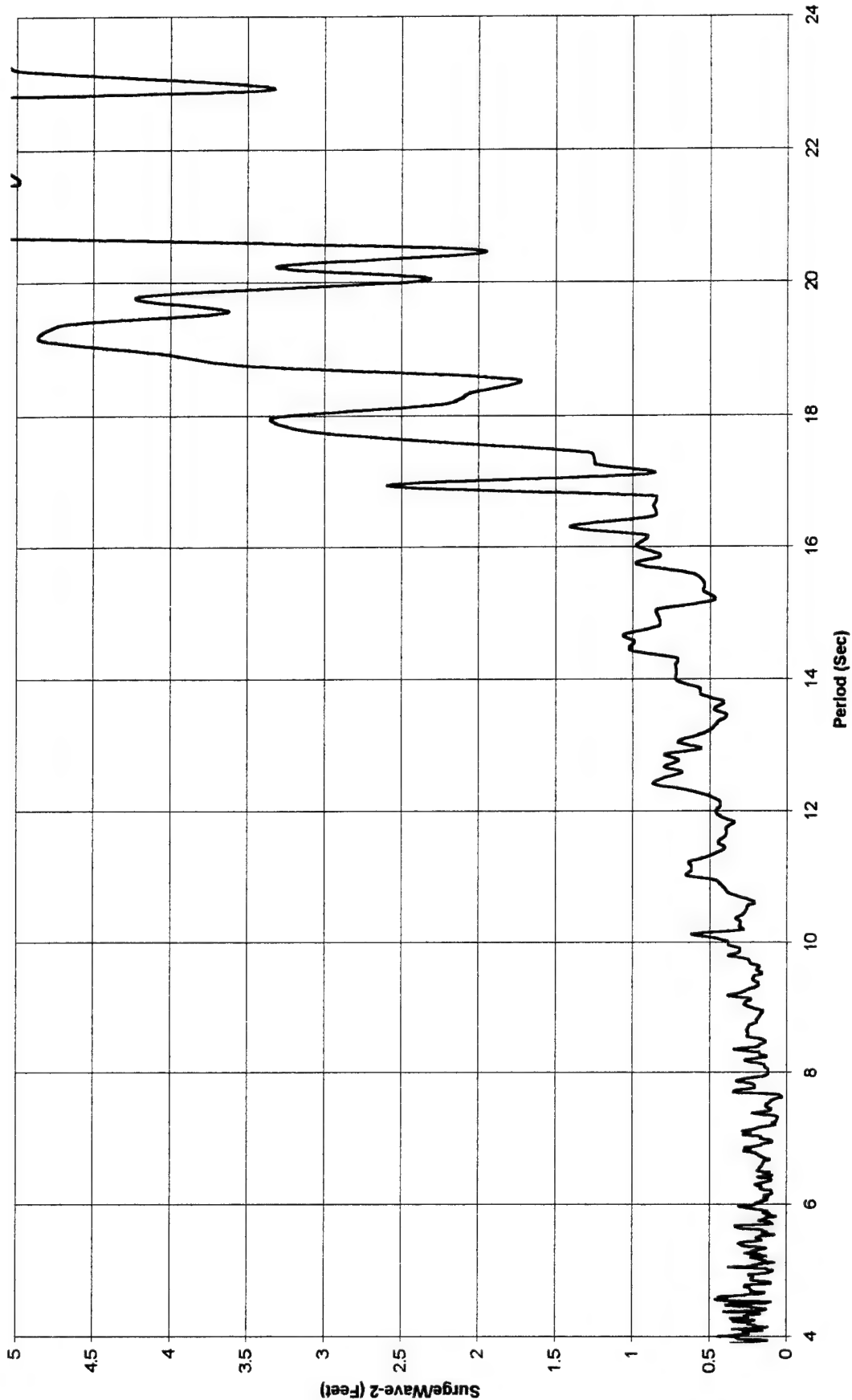
Test 222 - PITCH RAO



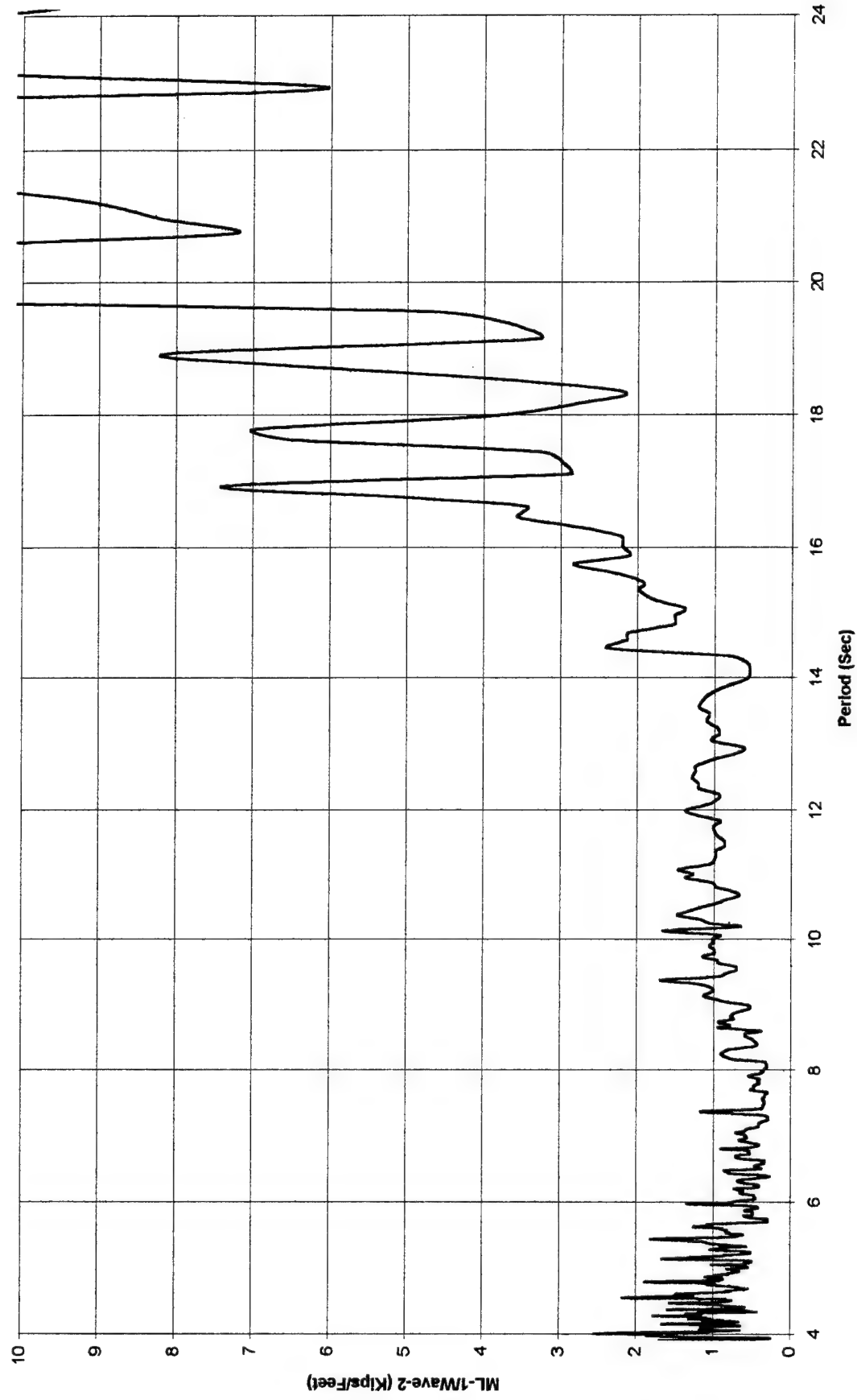
Test 222 - HEAVE RAO



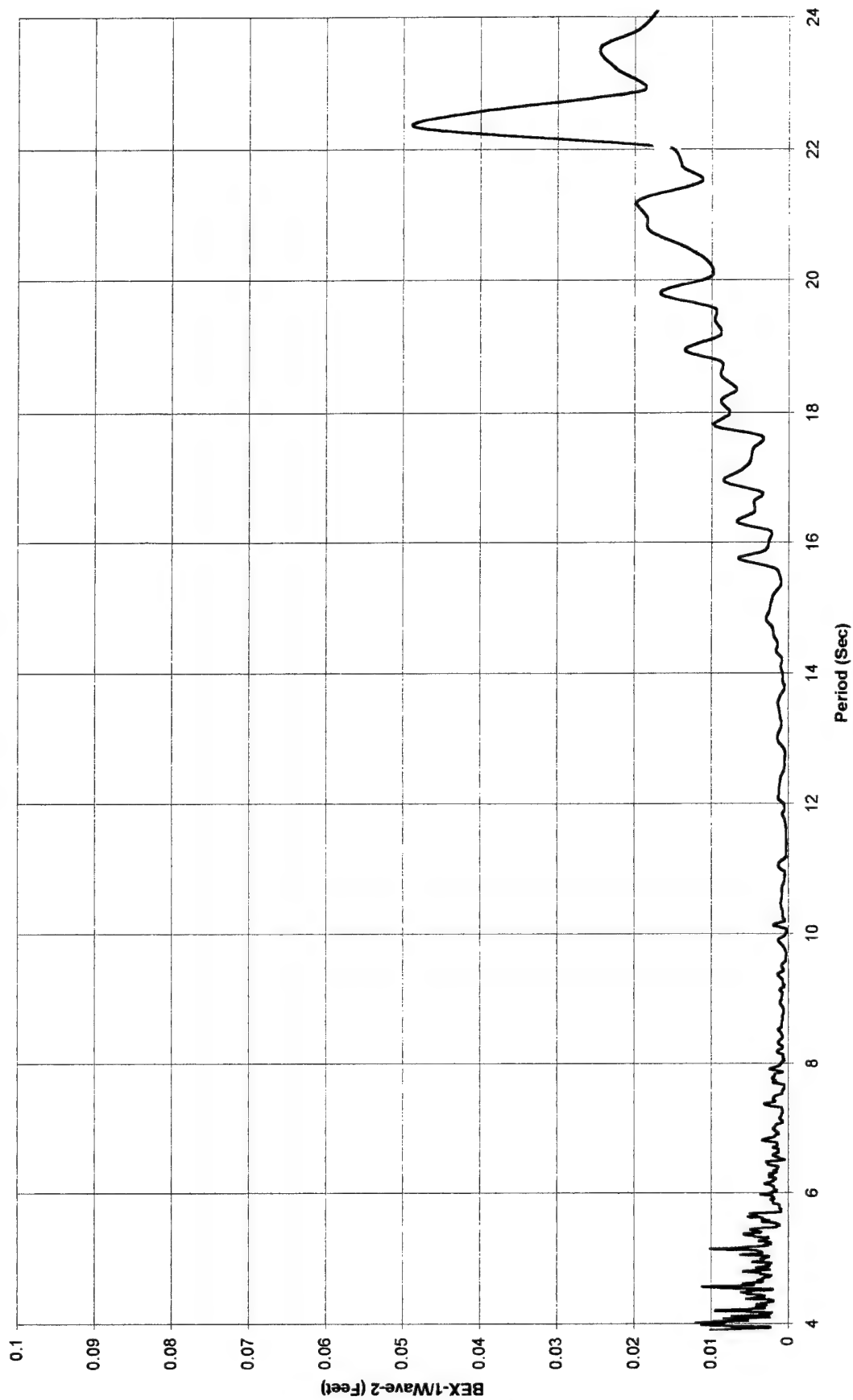
Test 222 - SURGE RAO



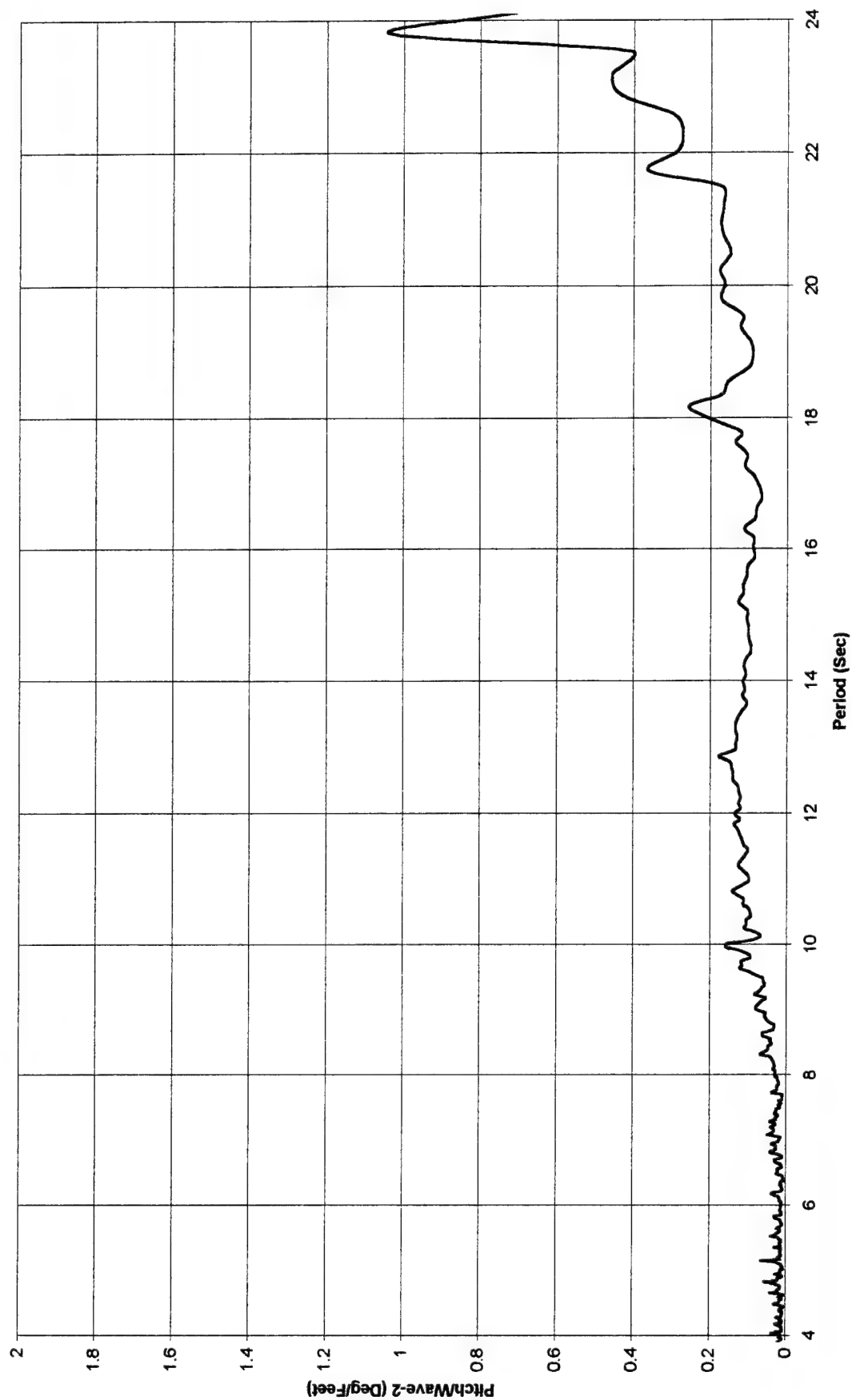
Test 222 - ML-1 RAO



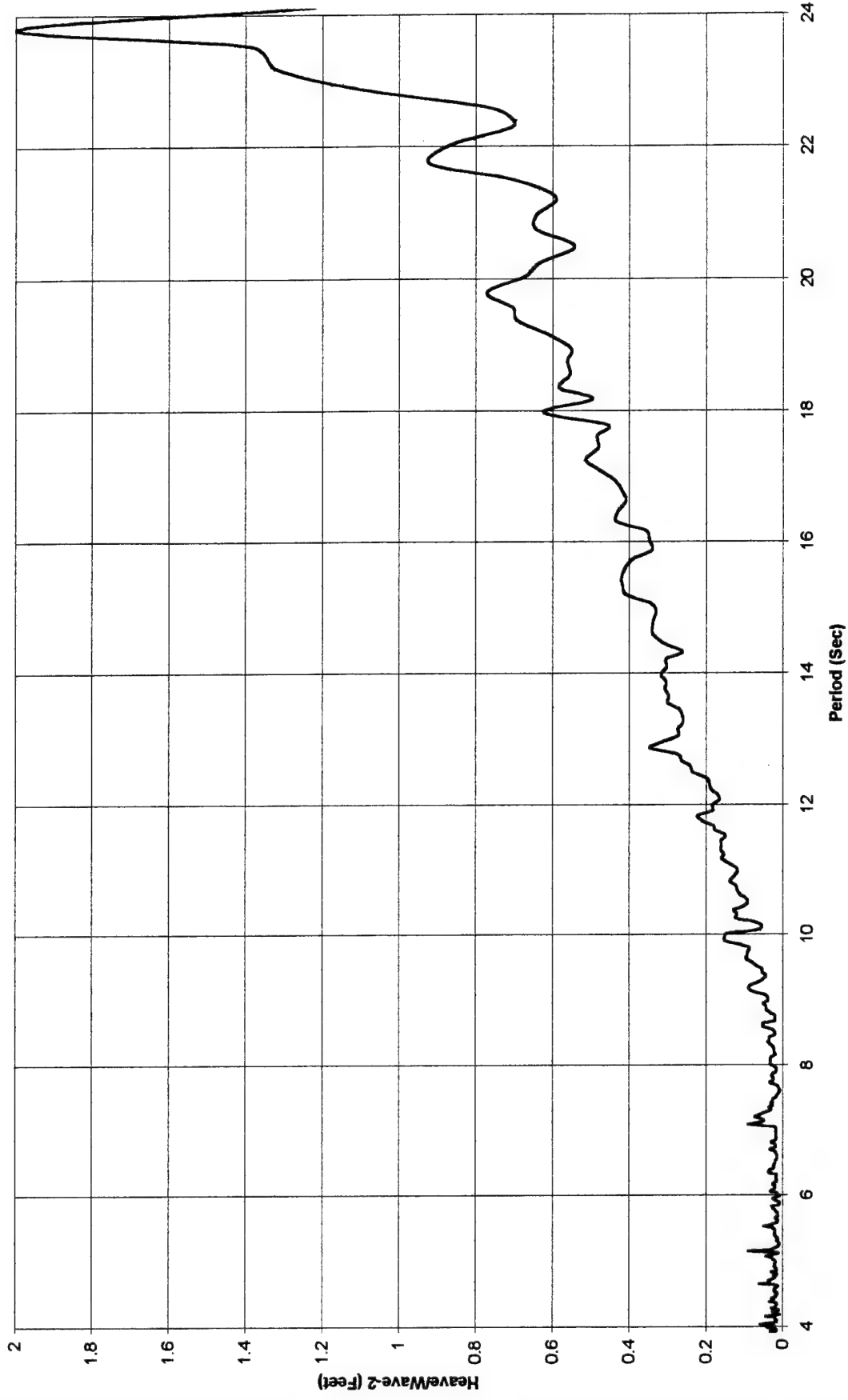
Test 222 - BEX-1 RAO



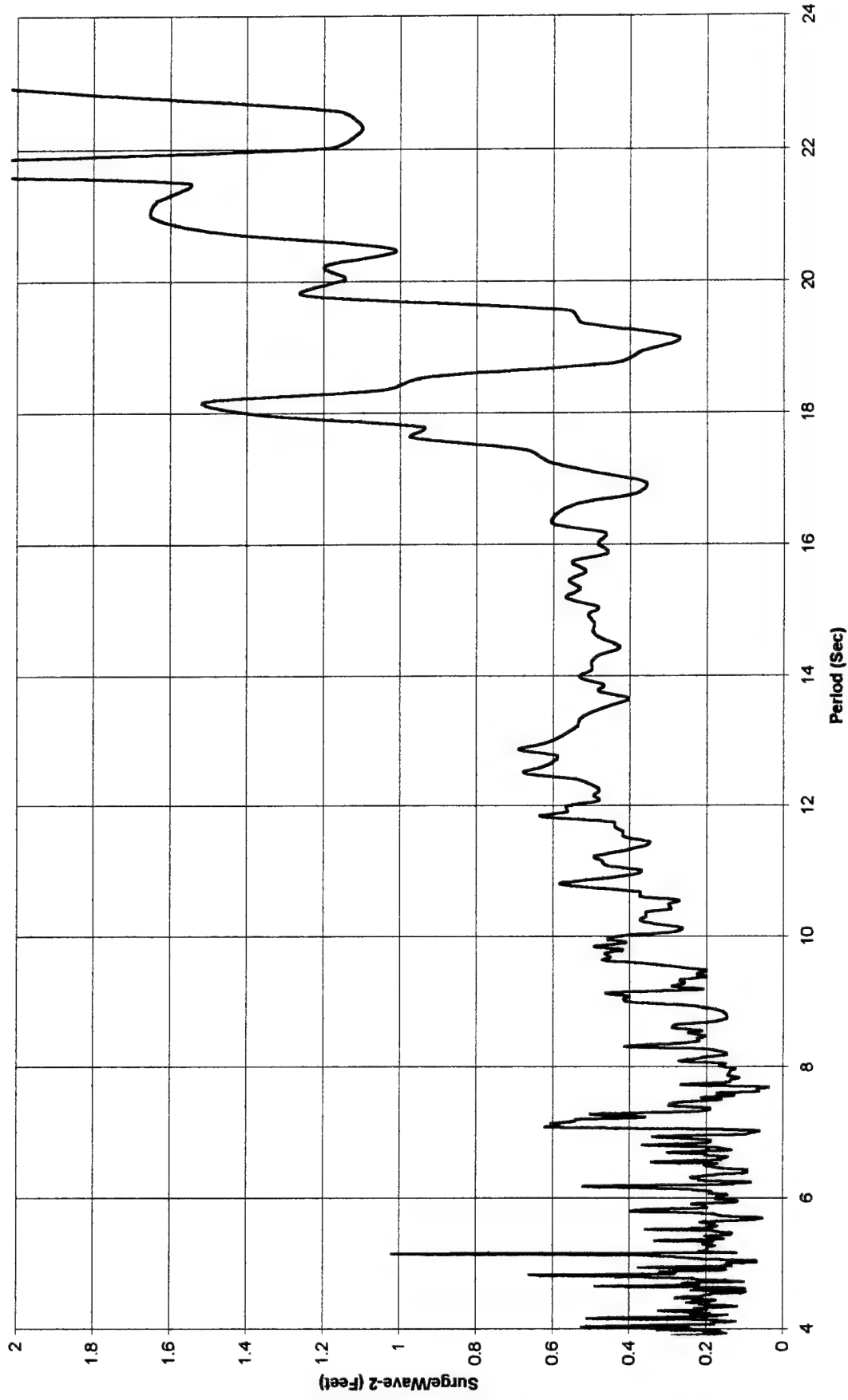
Test 223 - PITCH RAO



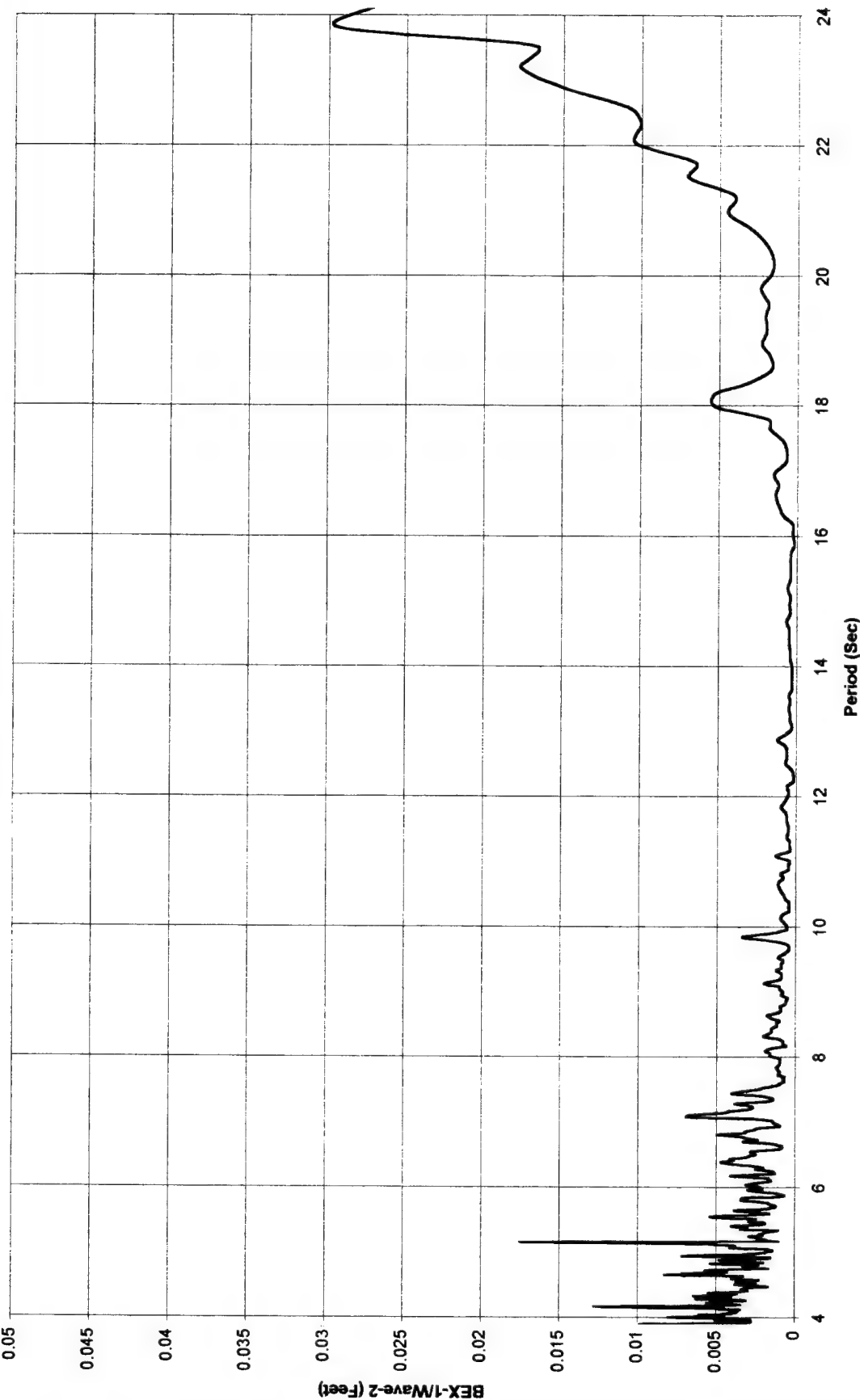
Test 223 - HEAVE RAO



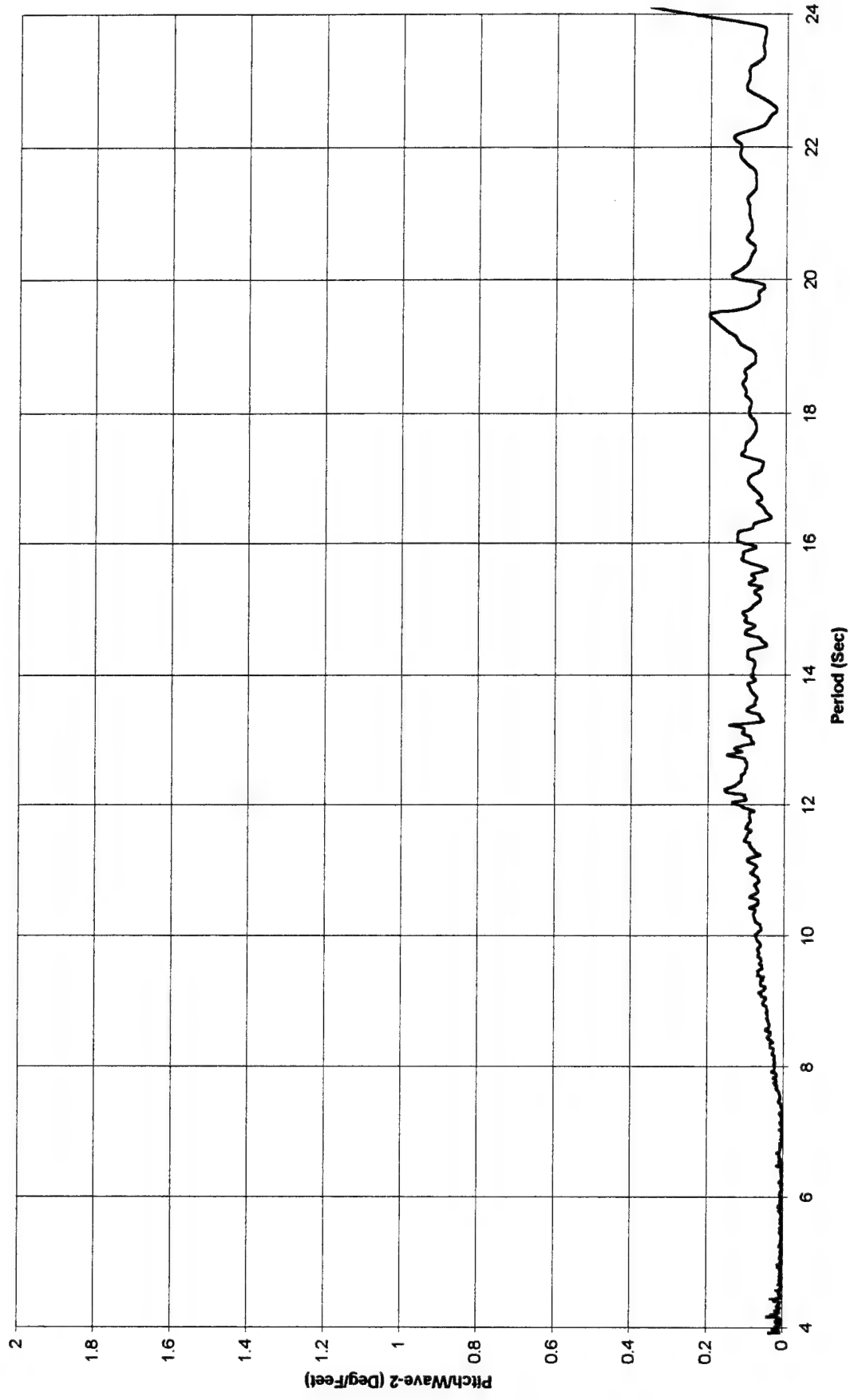
Test 223 - SURGE RAO



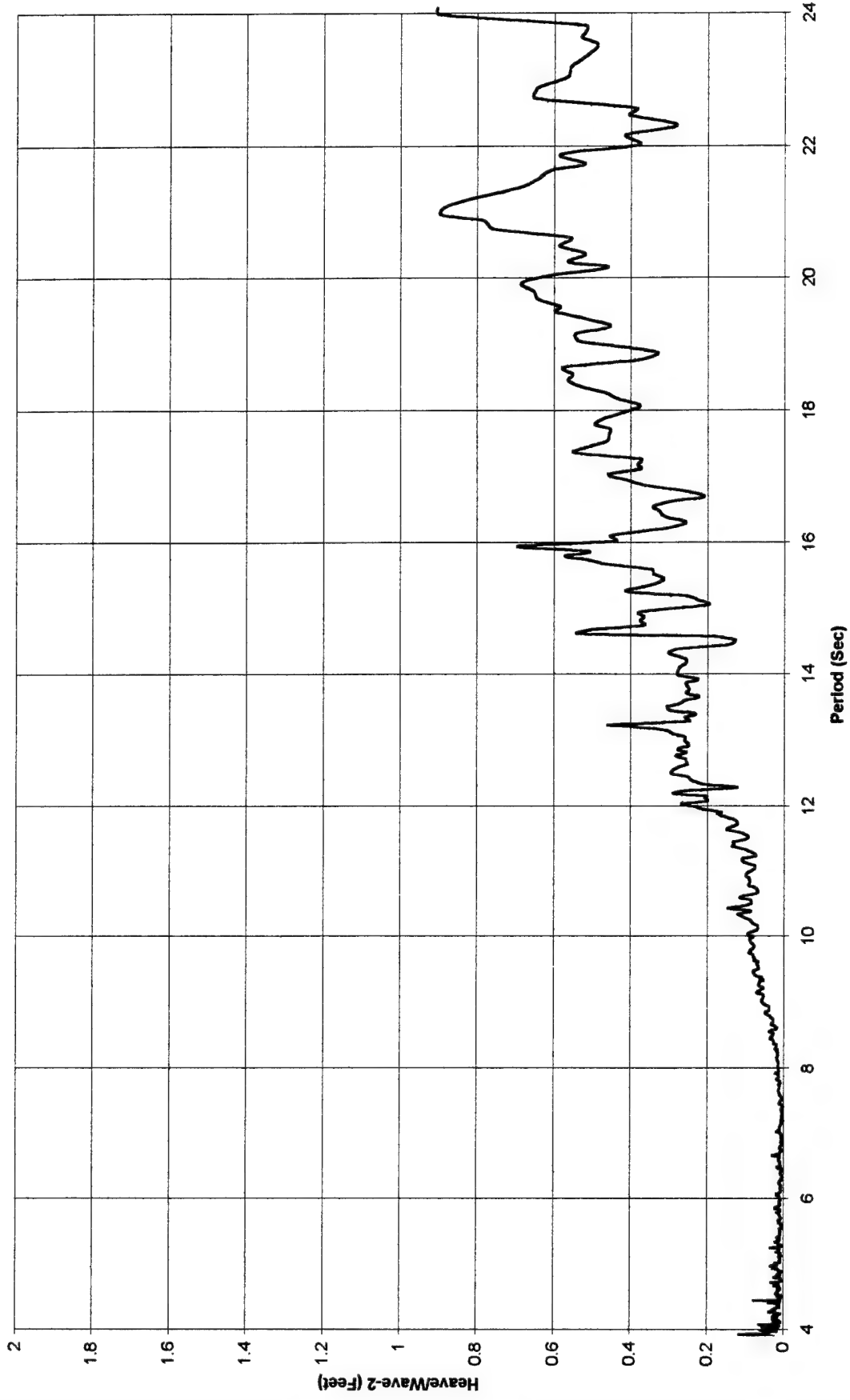
Test 223 - BEX-1 RAO



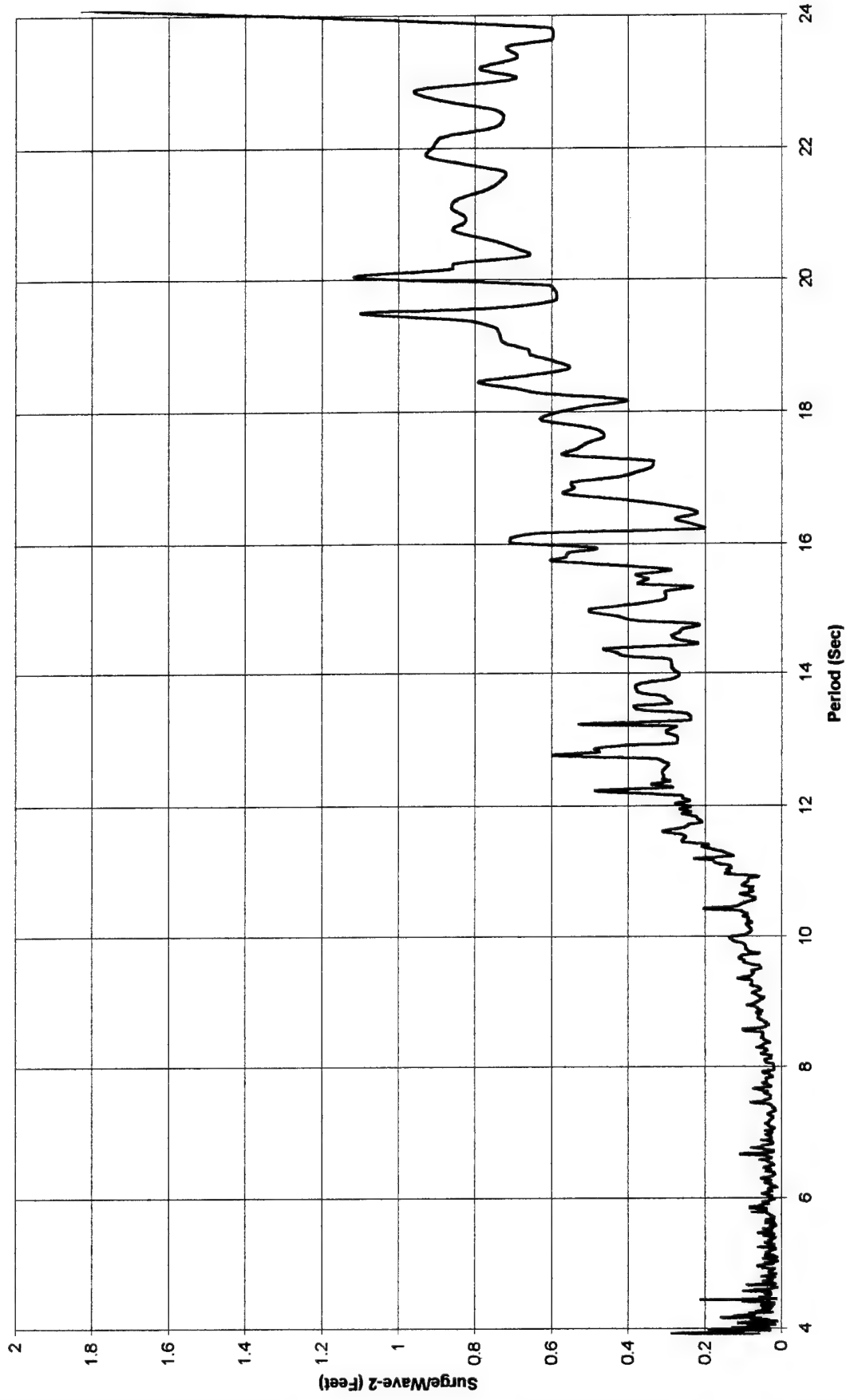
Test 321 - PITCH RAO



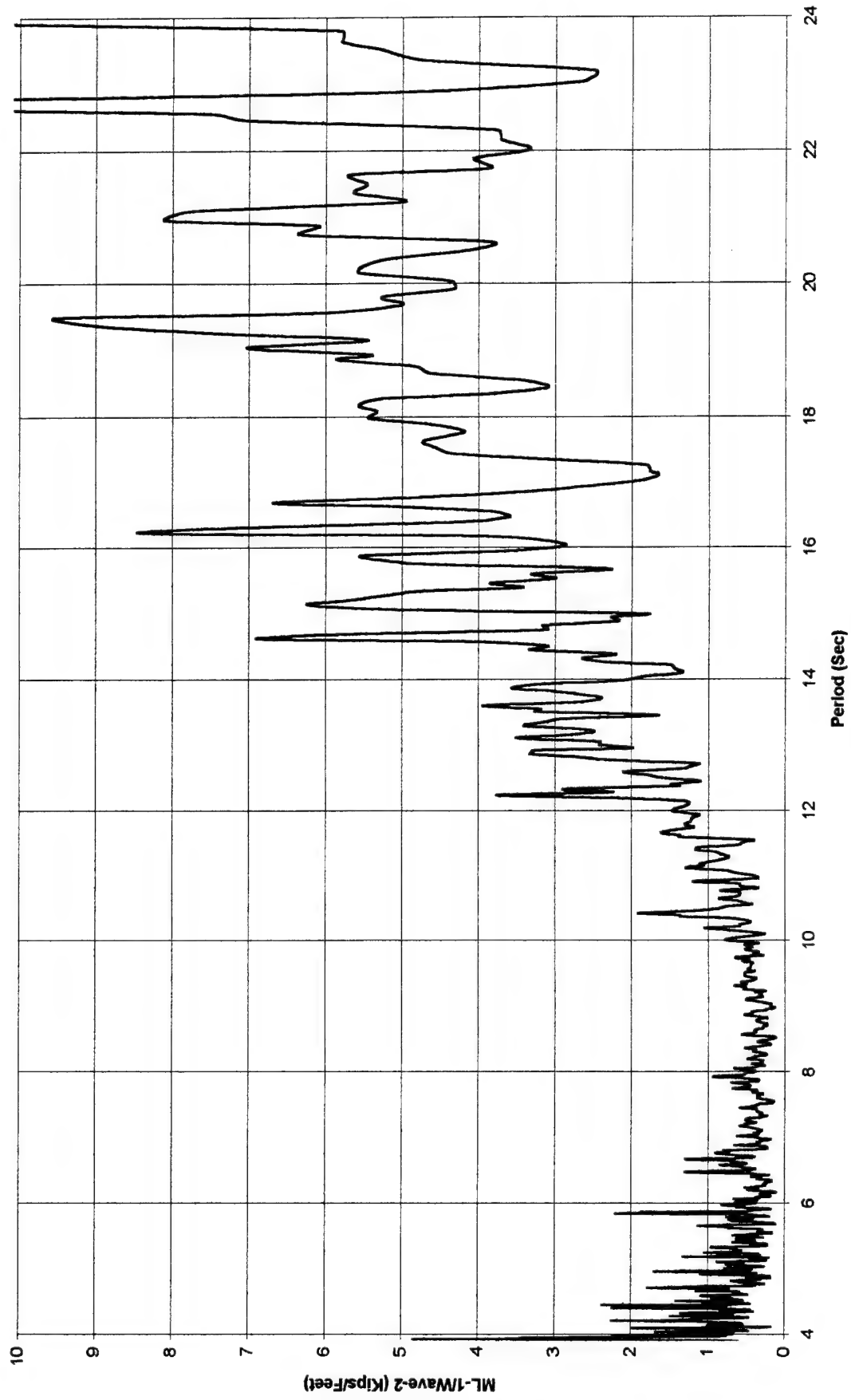
Test 321 - HEAVE RAO



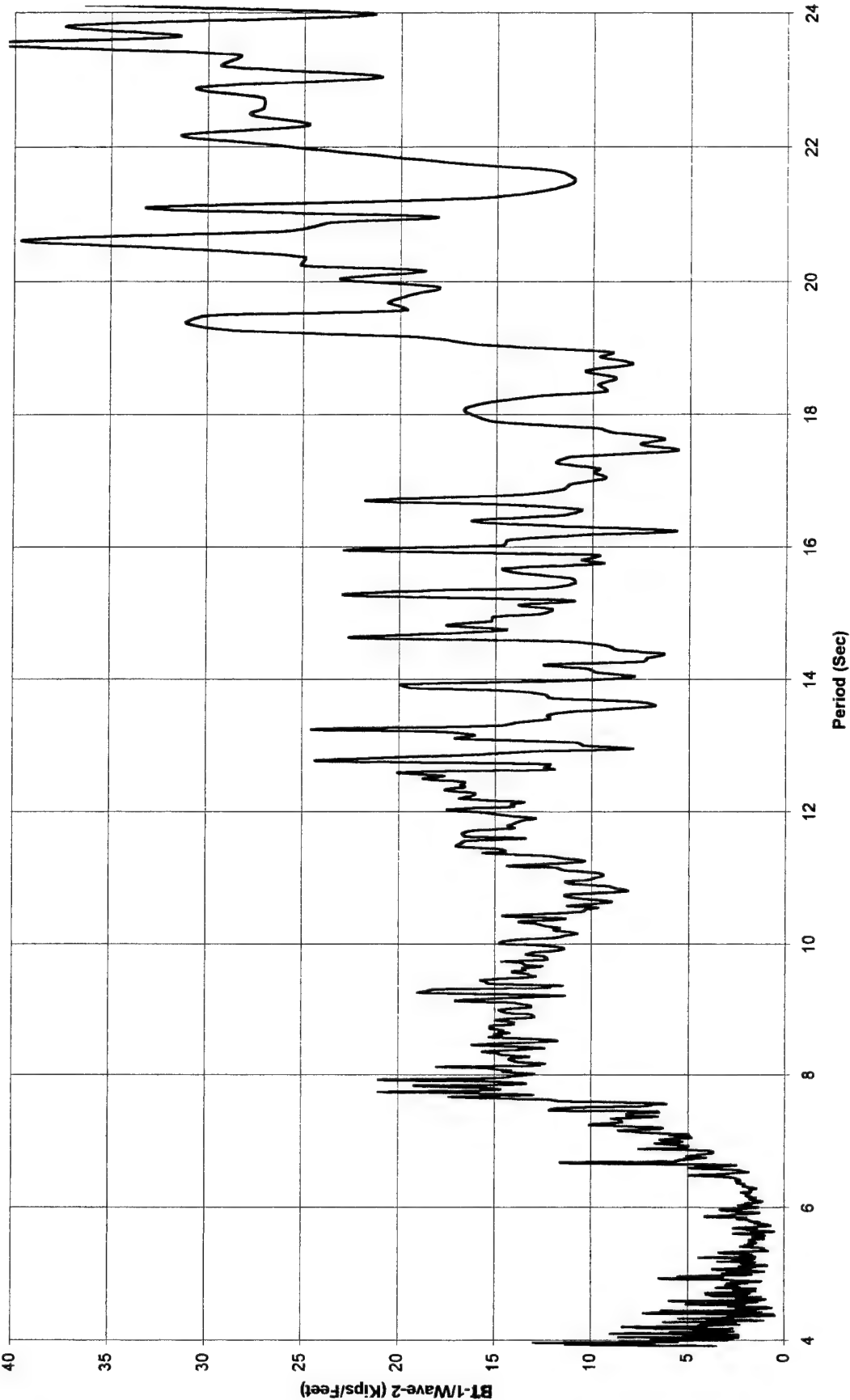
Test 321 - SURGE RAO



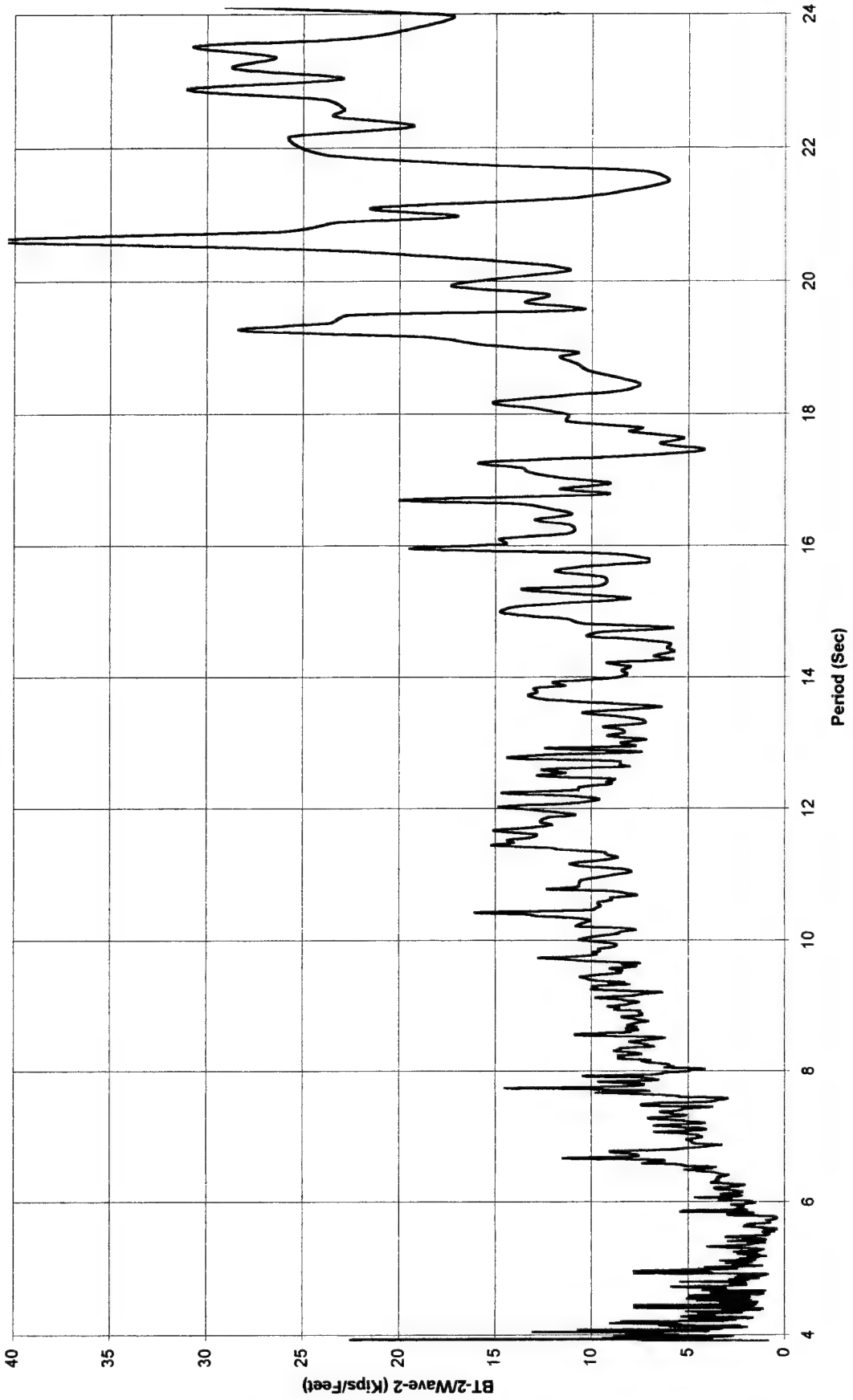
Test 321 - ML-1 RAO



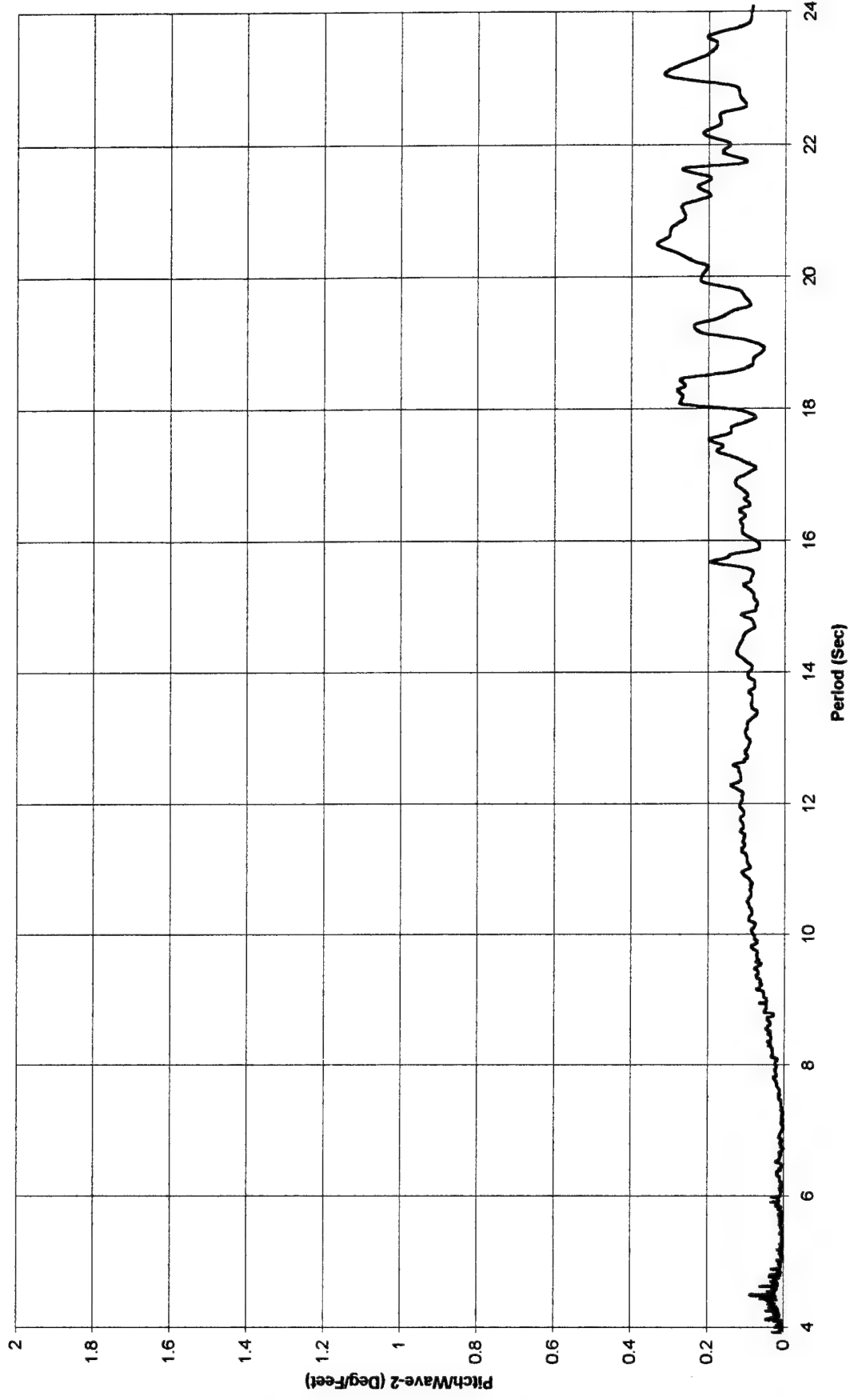
Test 321 - BT-1 RAO



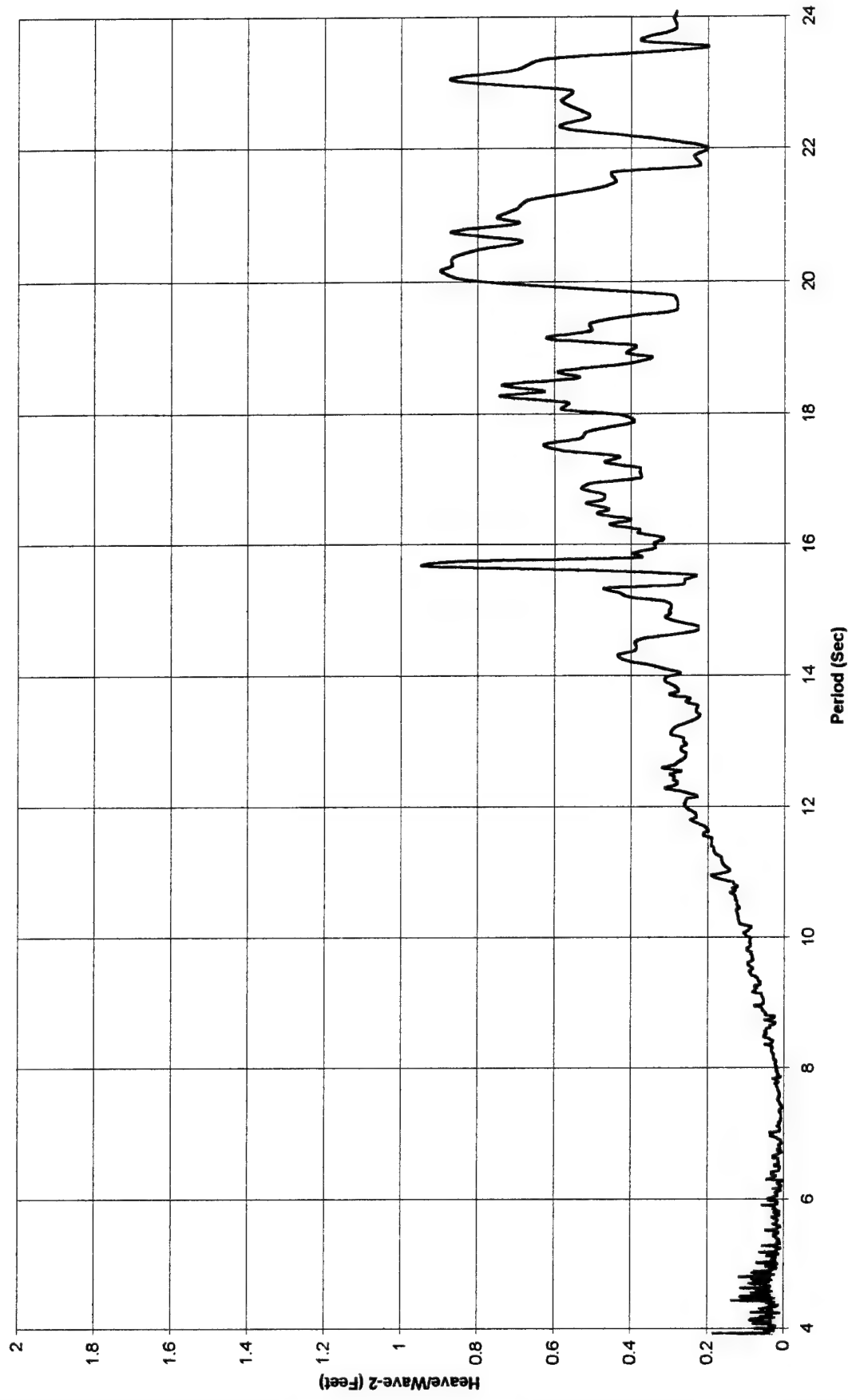
Test 321 - BT-2 RAO



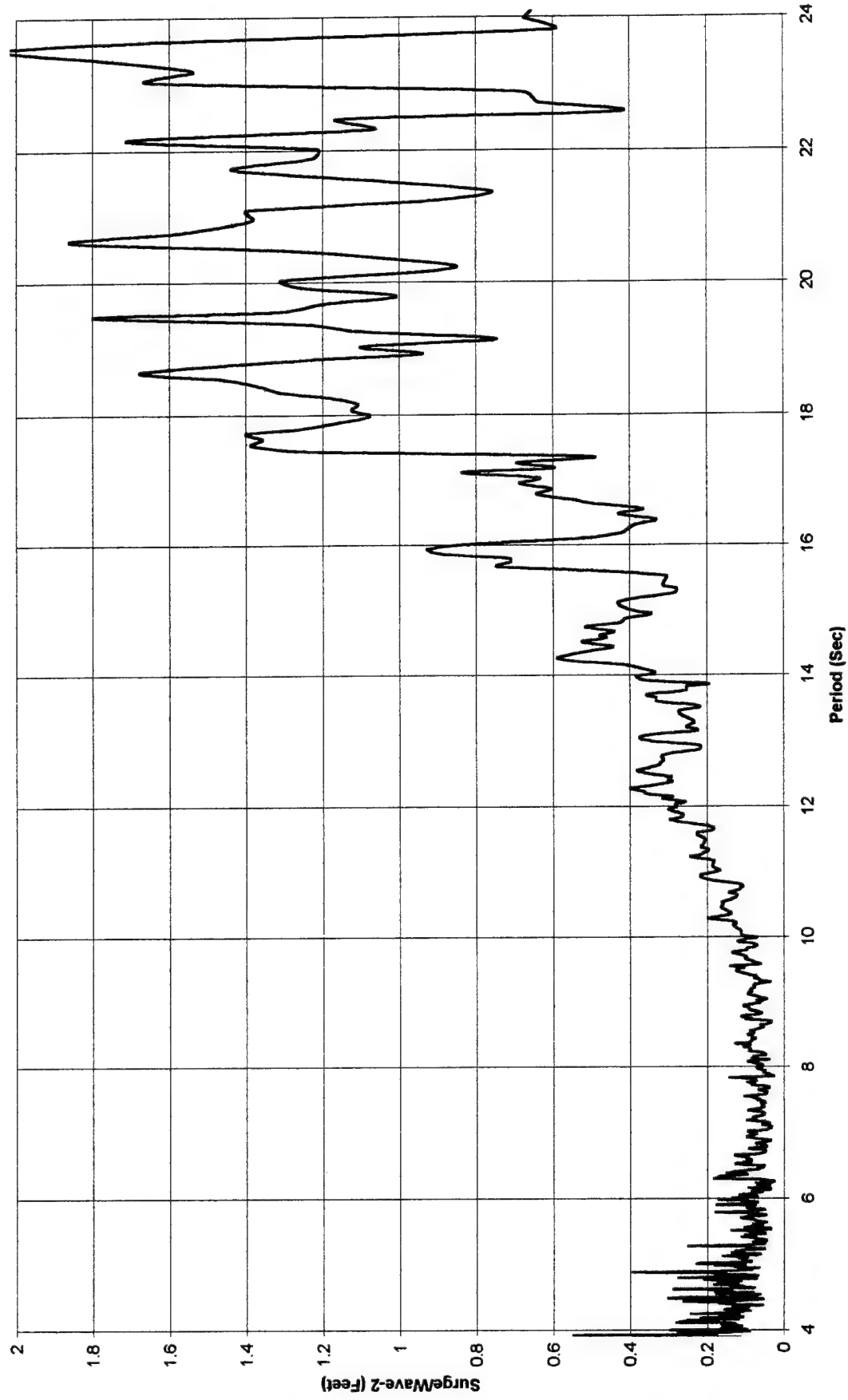
Test 322 - PITCH RAO



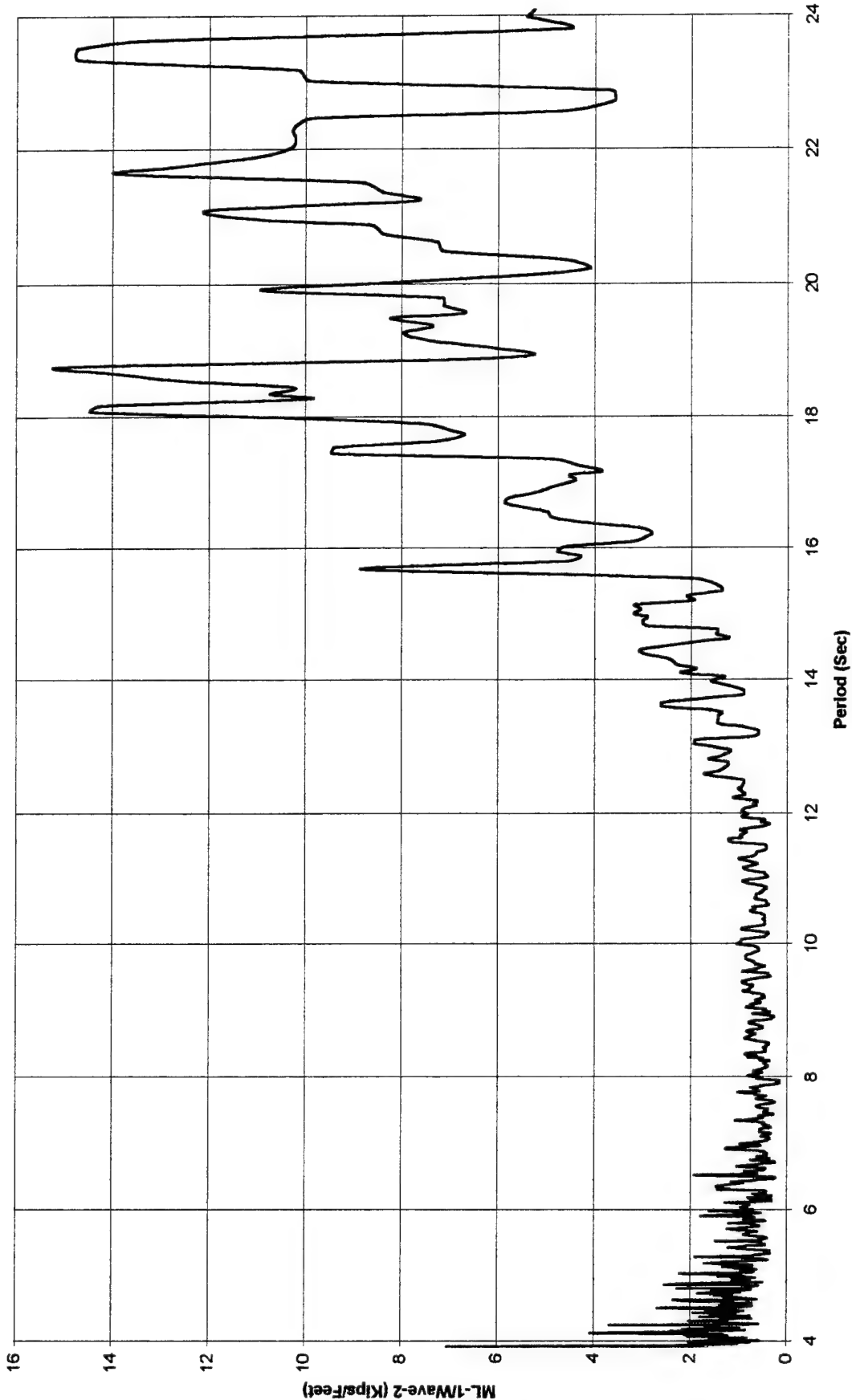
Test 322 - HEAVE RAO



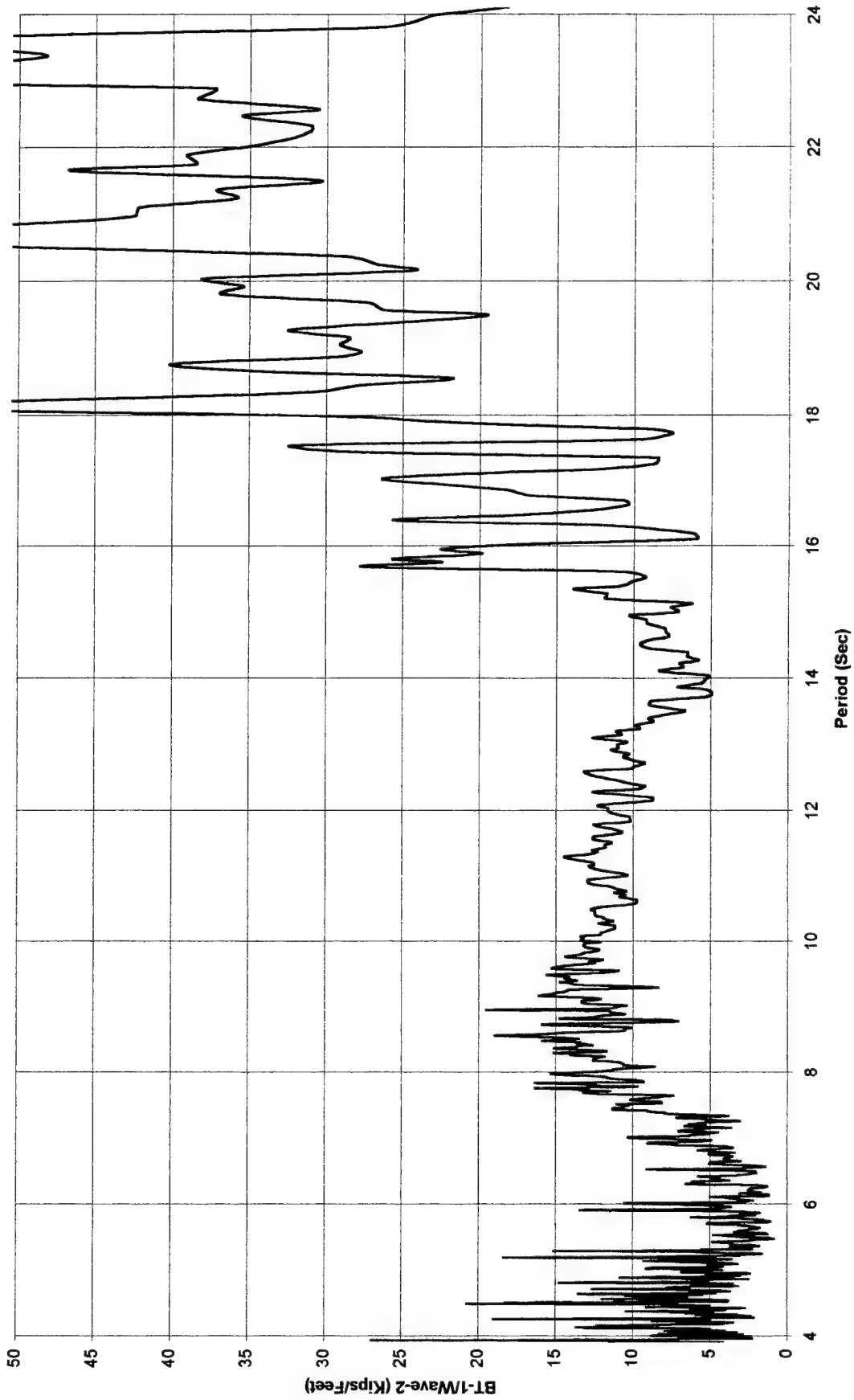
Test 322 - SURGE RAO



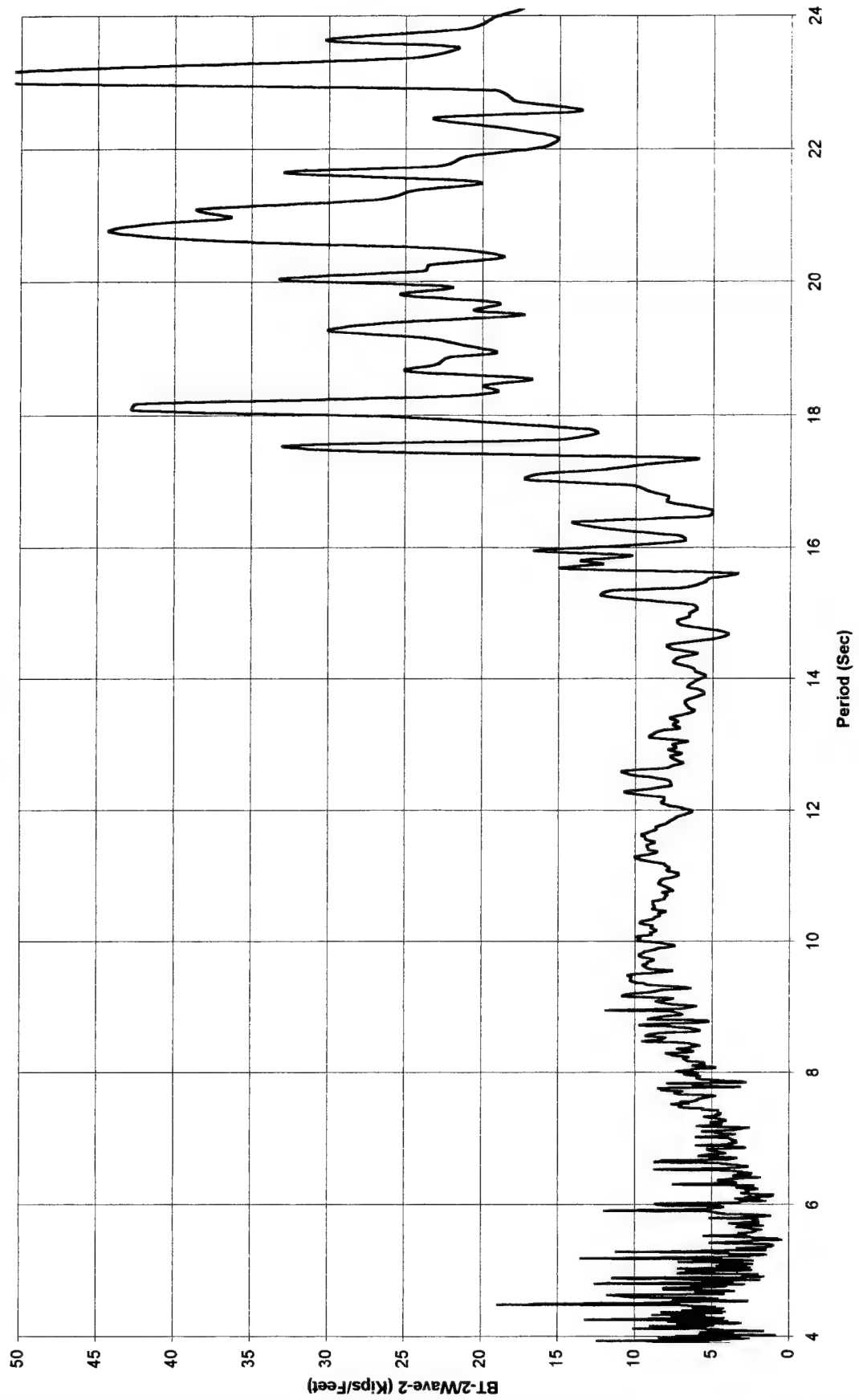
Test 322 - ML-1 RAO



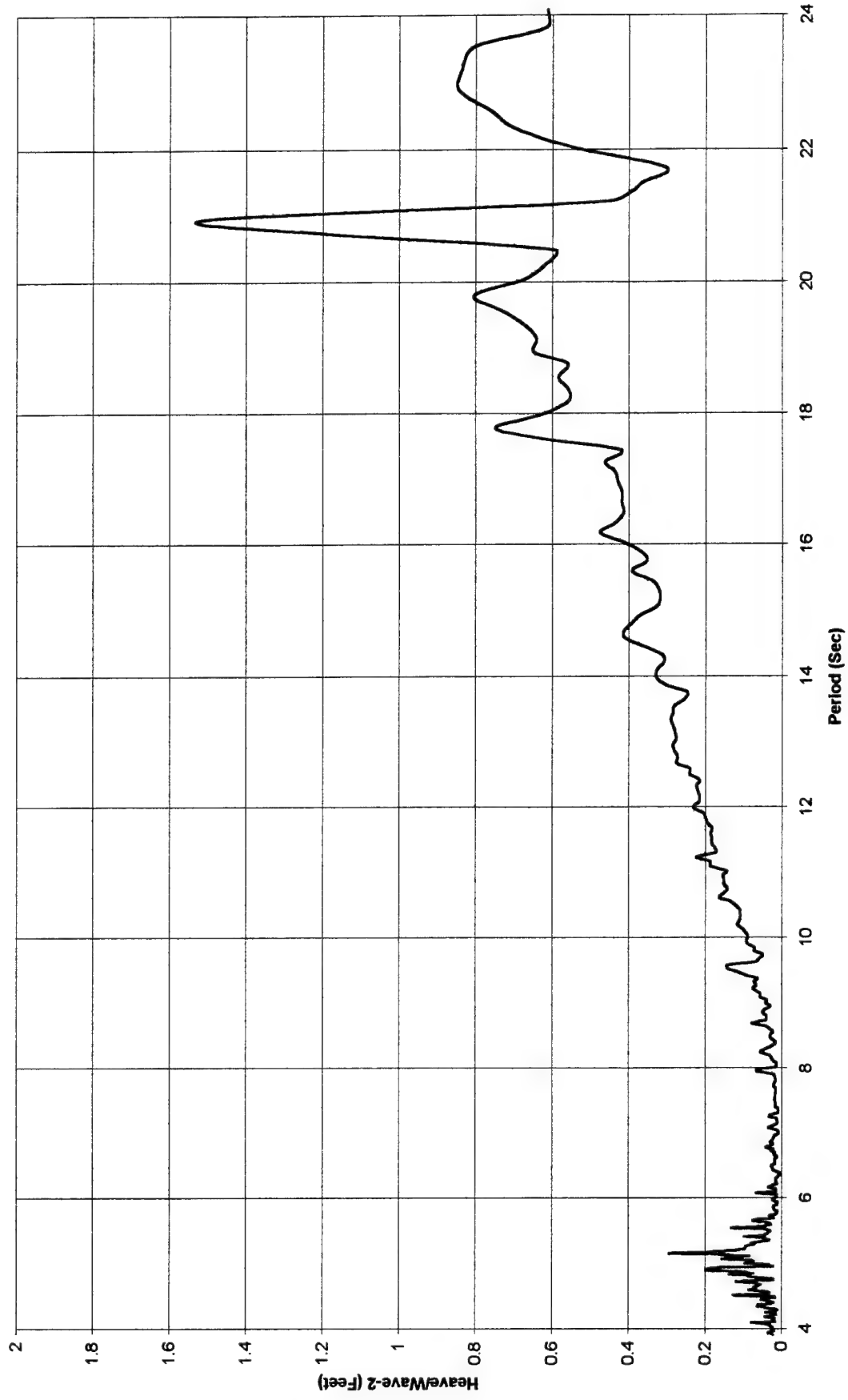
Test 322 - BT-1 RAO



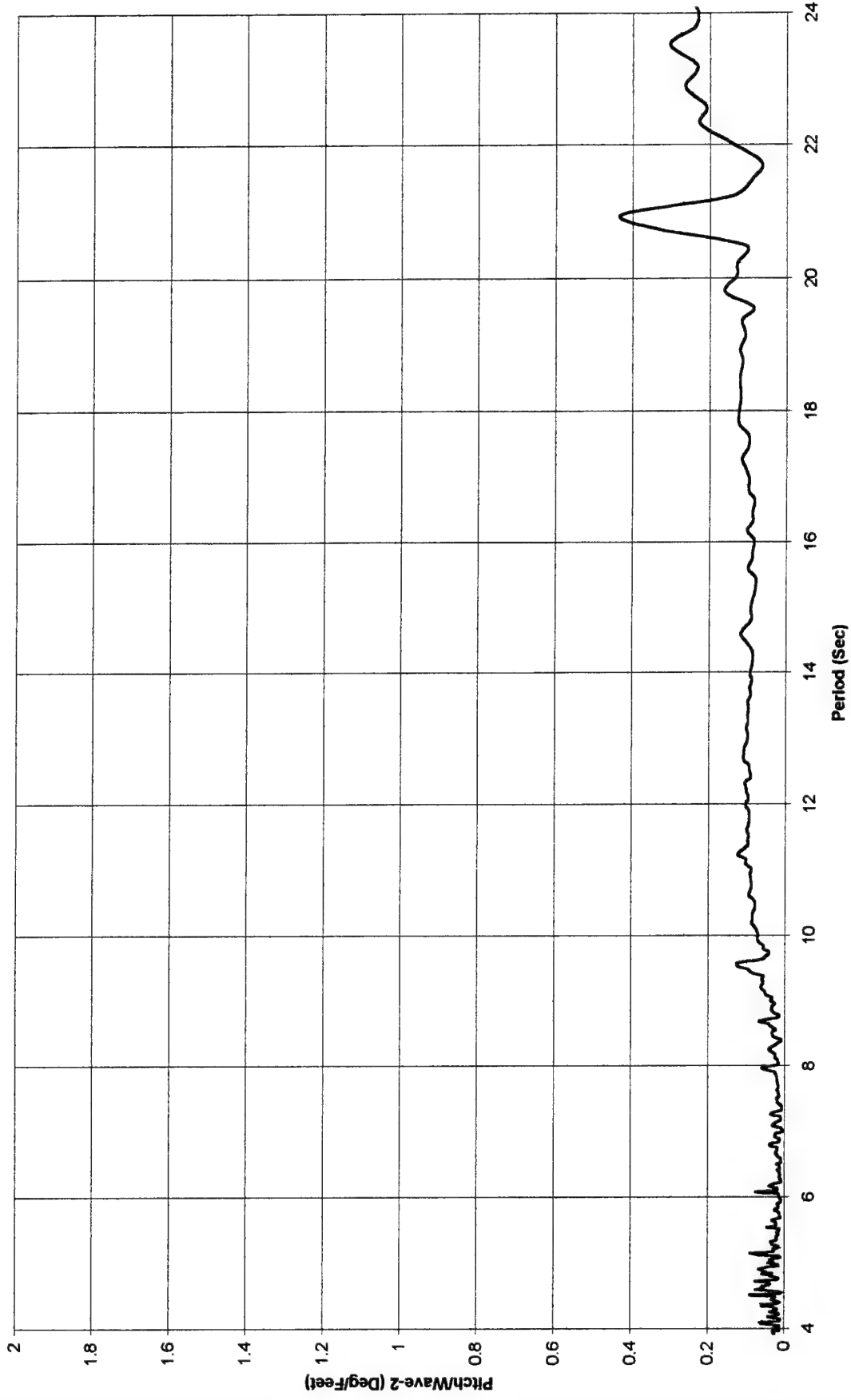
Test 322 - BT-2 RAO



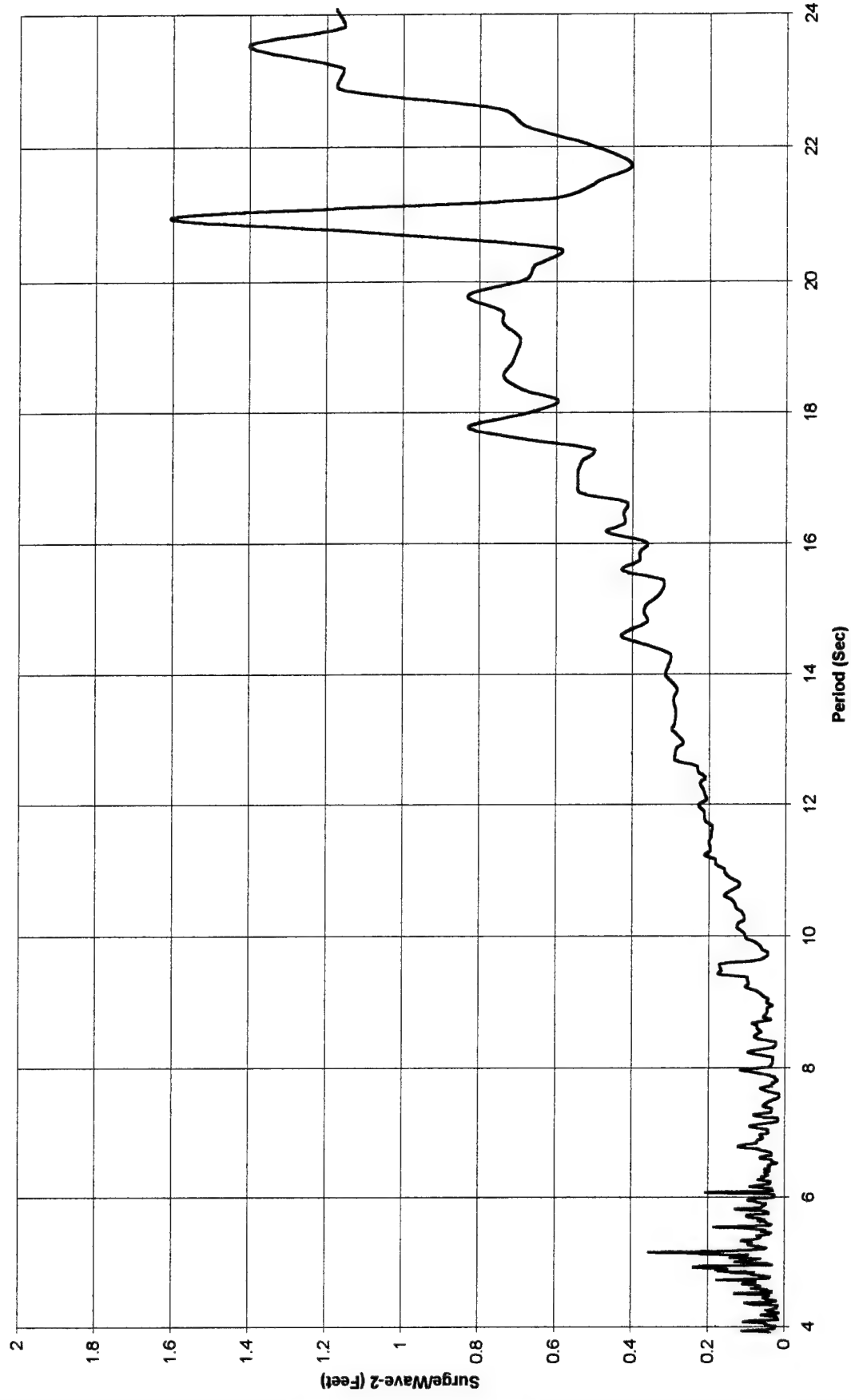
Test 323 - HEAVE RAO



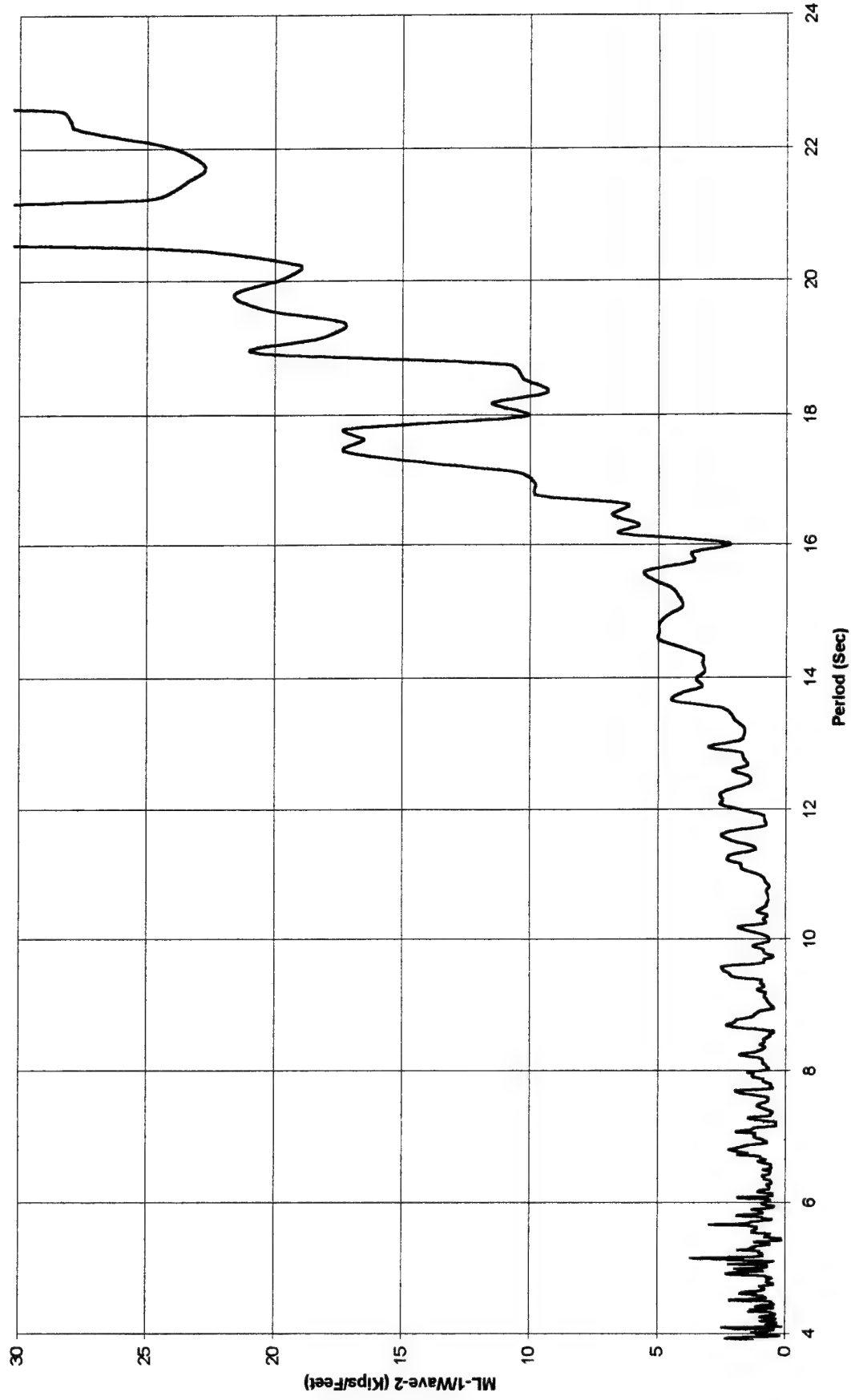
Test 323 - PITCH RAO



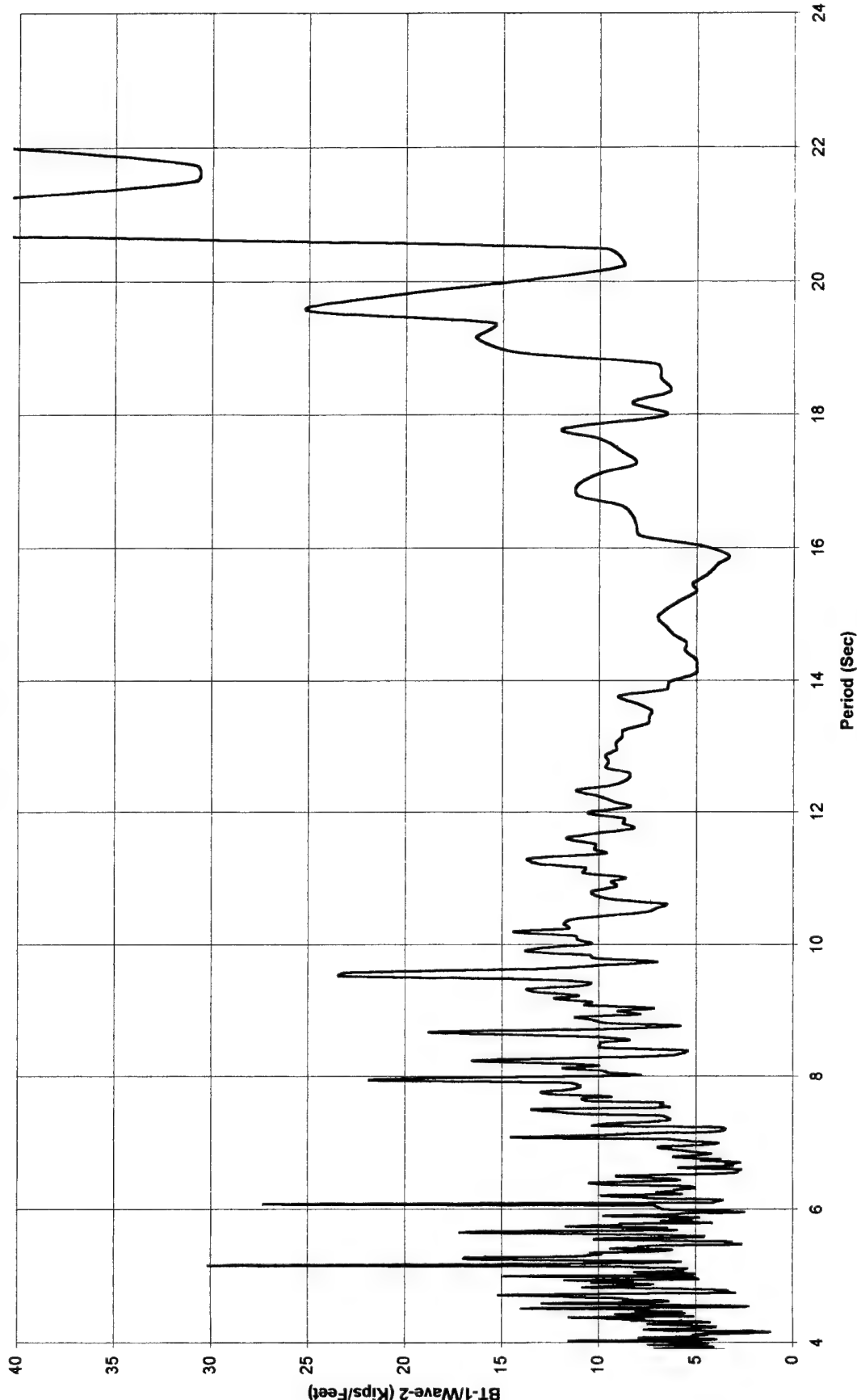
Test 323 - SURGE RAO



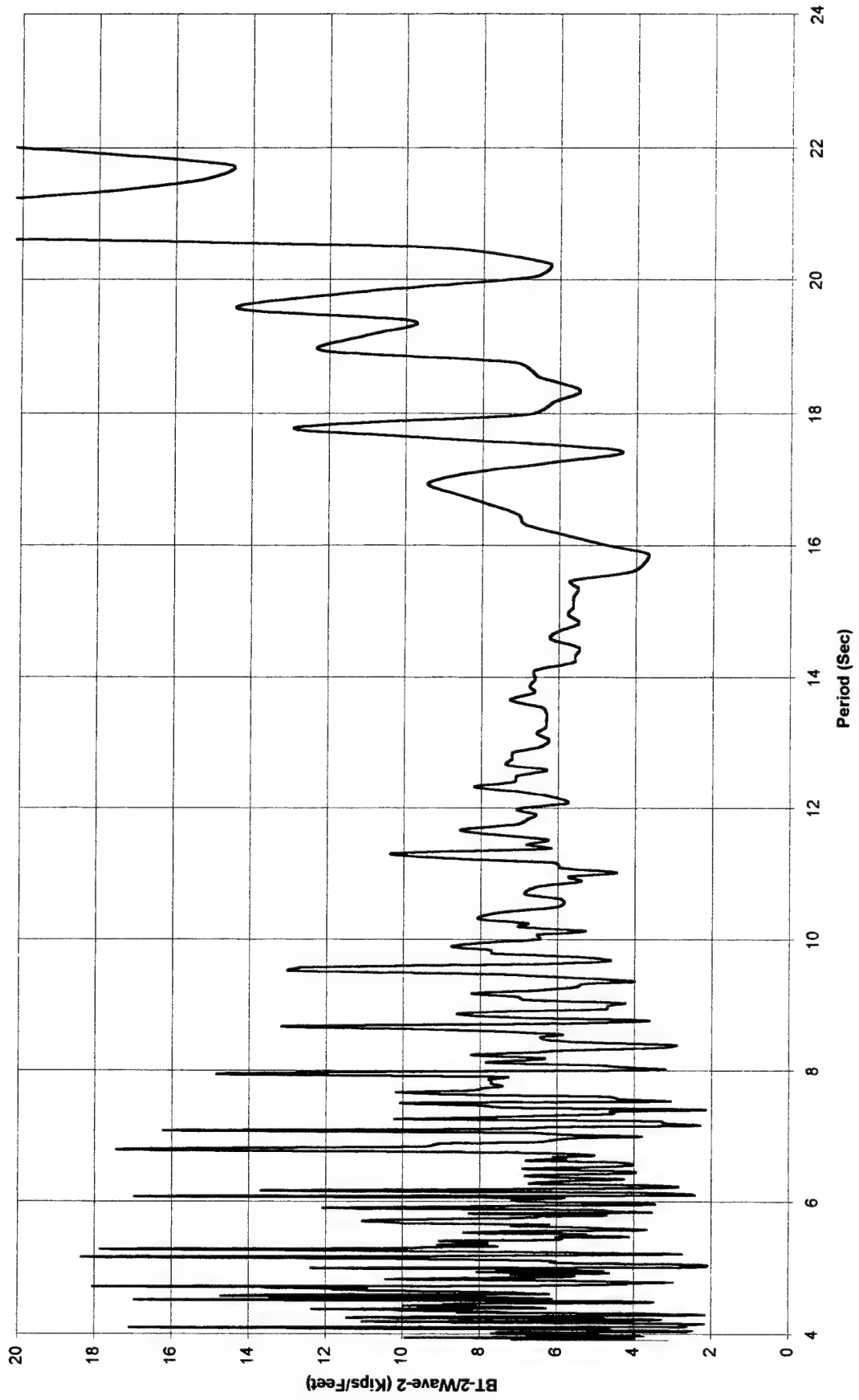
Test 323 - ML-1 RAO



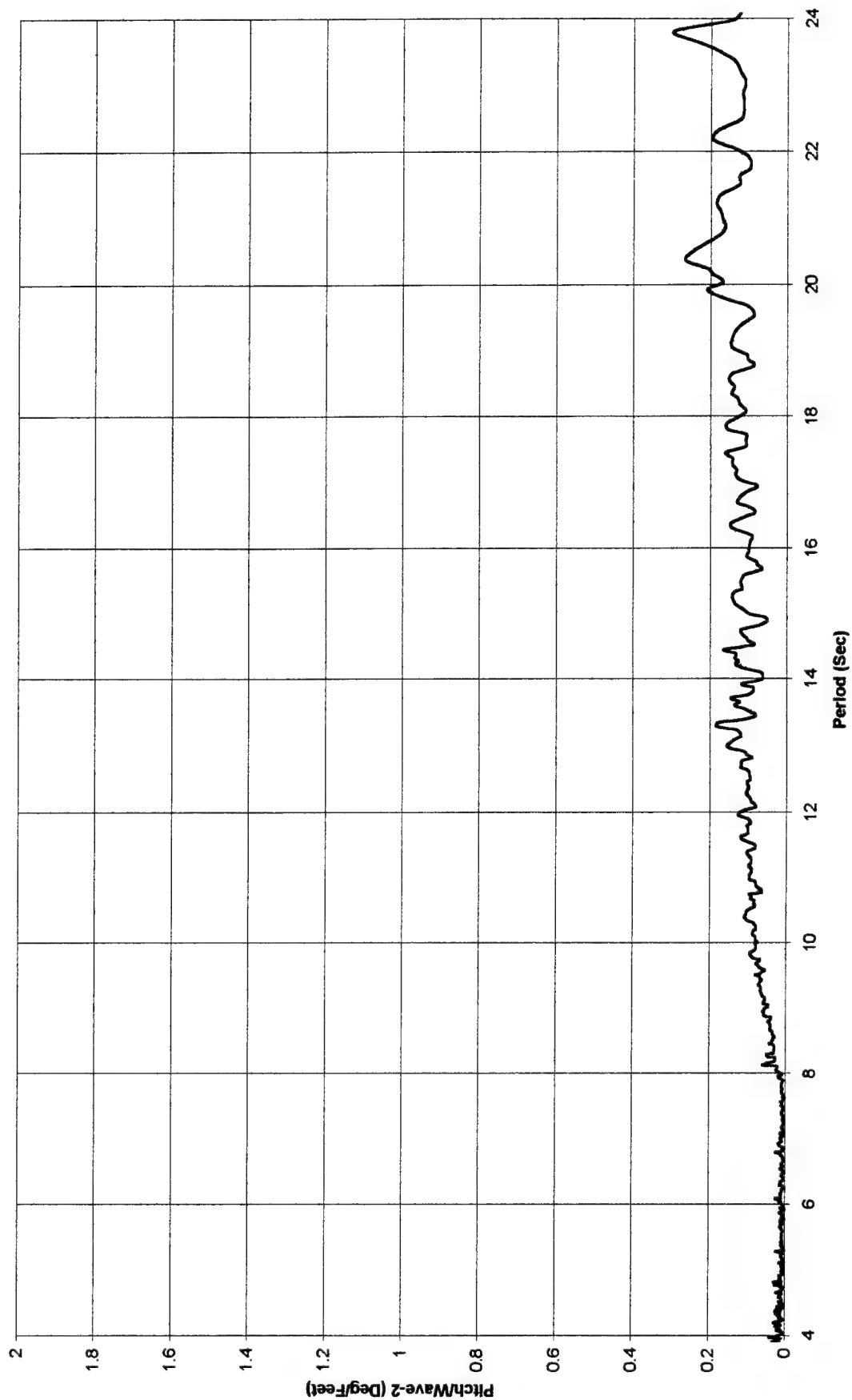
Test 323 - BT-1 RAO



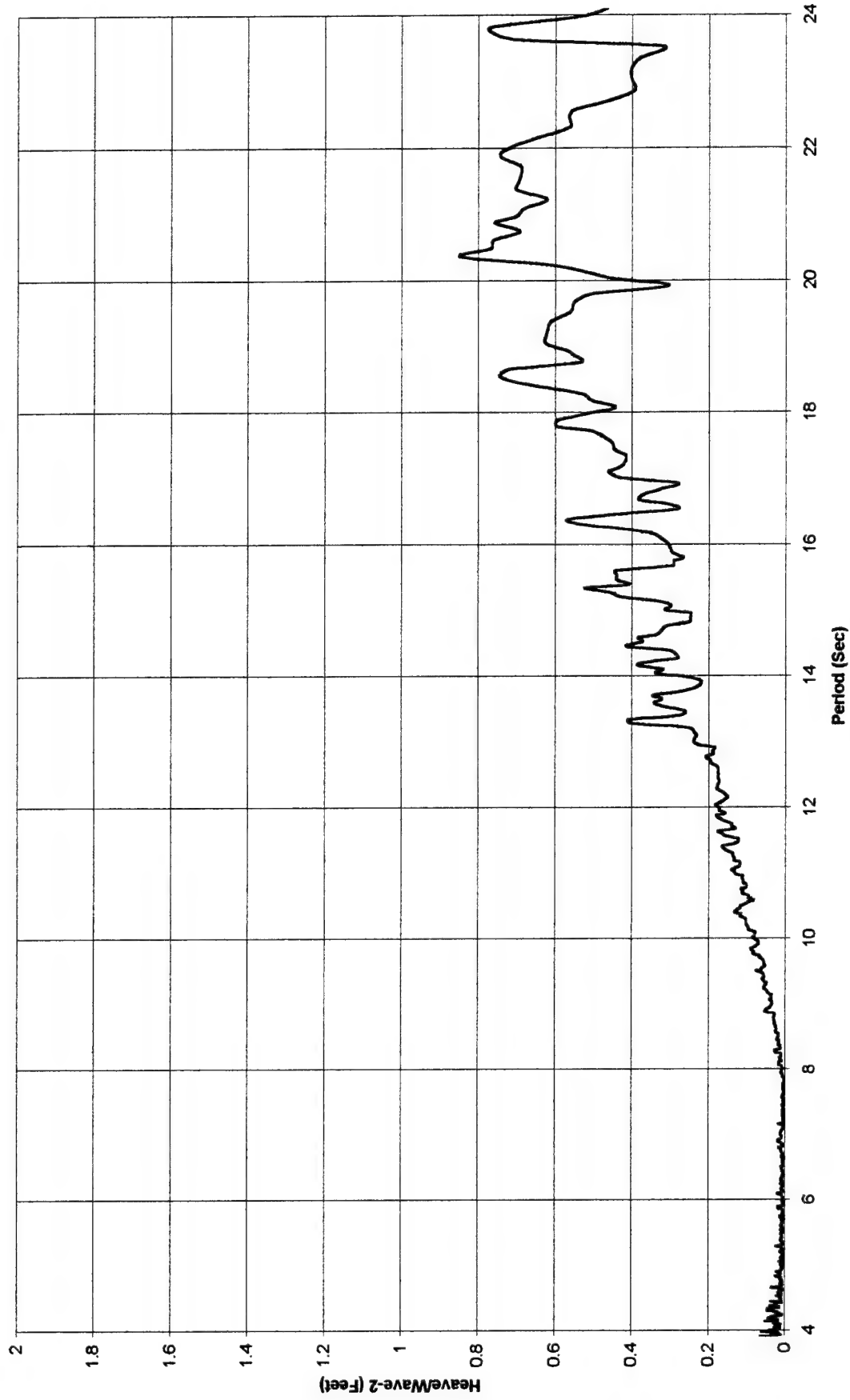
Test 323 - BT-2 RAO



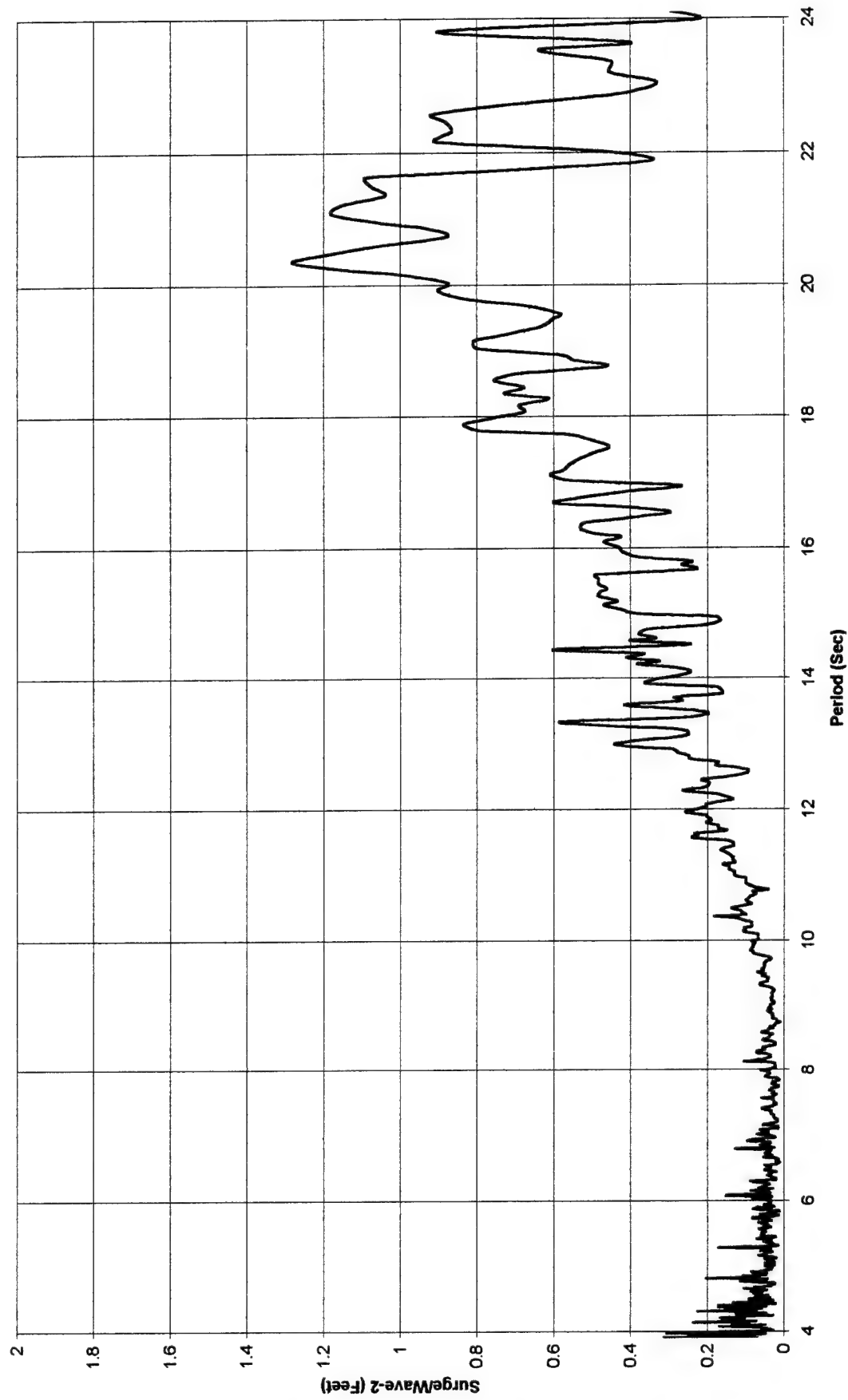
Test 361 - PITCH RAO



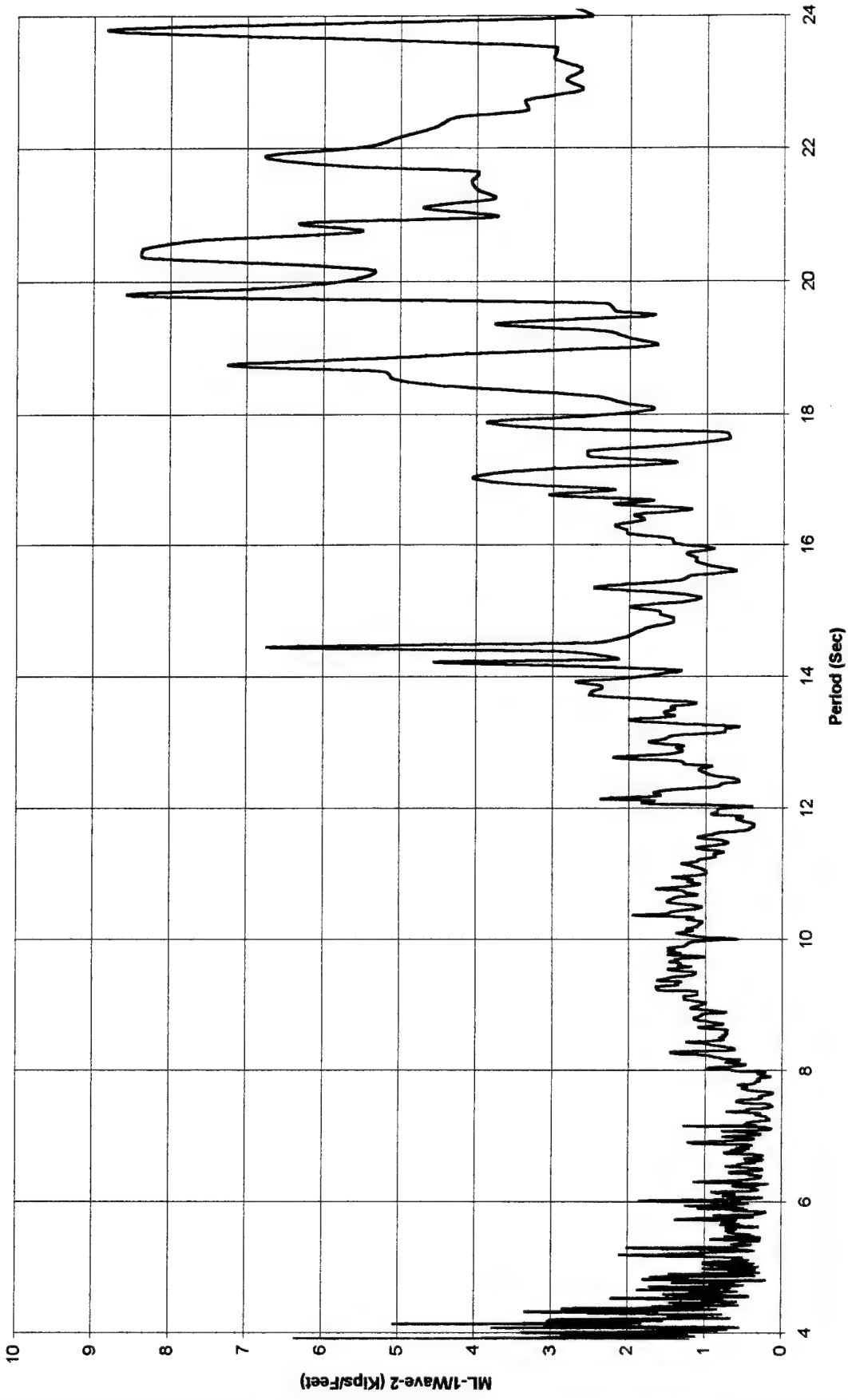
Test 361 - HEAVE RAO



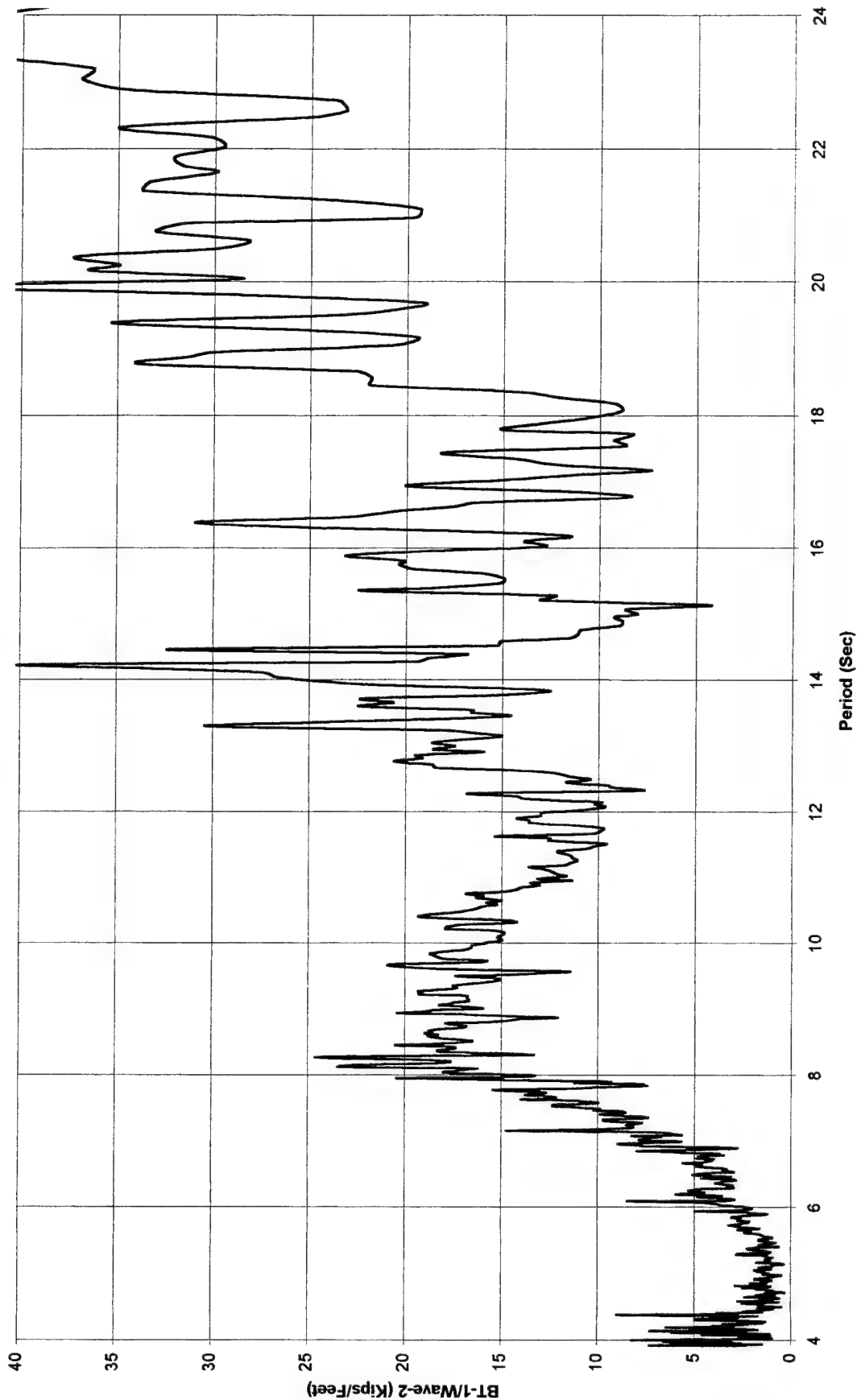
Test 361 - SURGE RAO



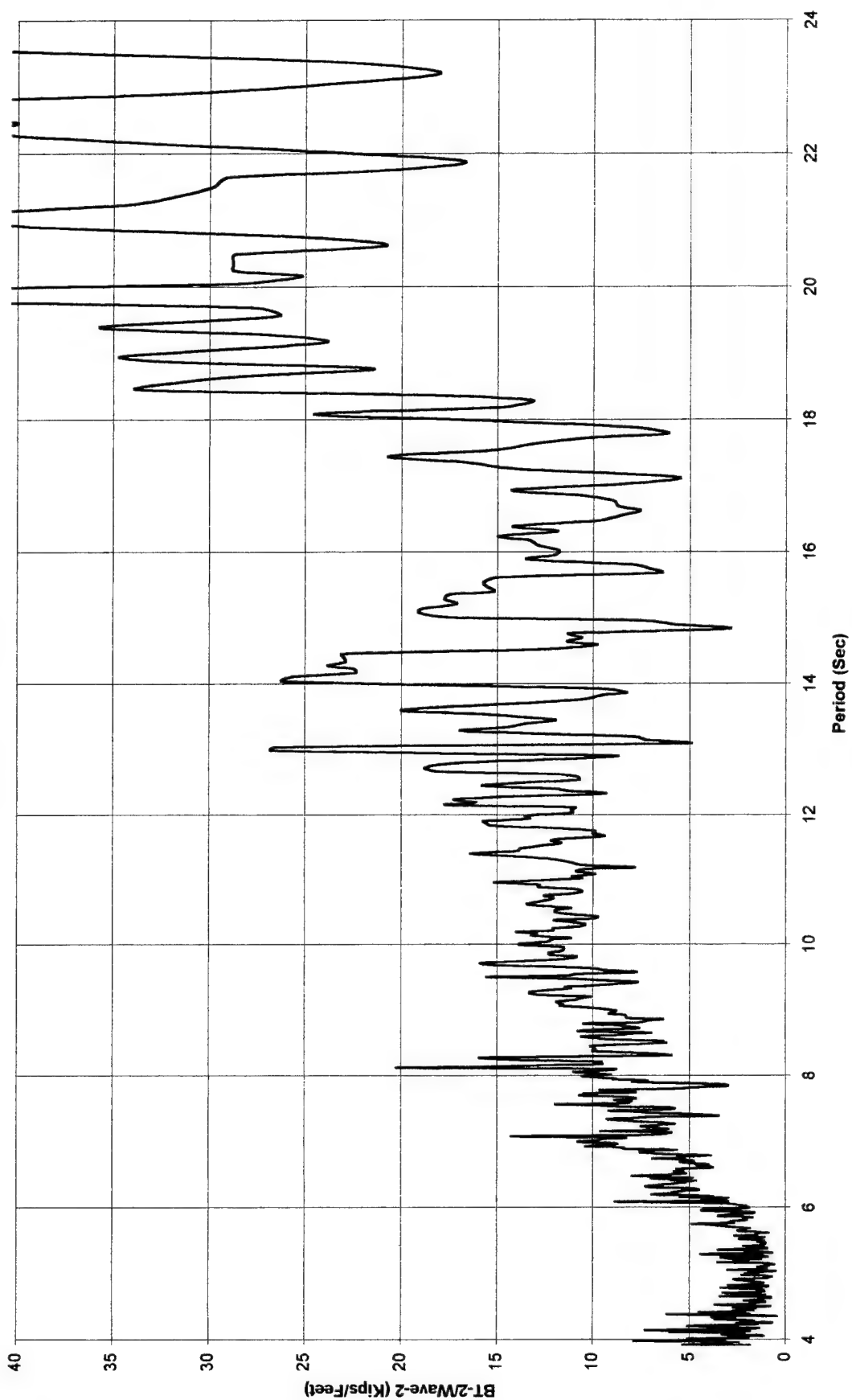
Test 361 - ML-1 RAO



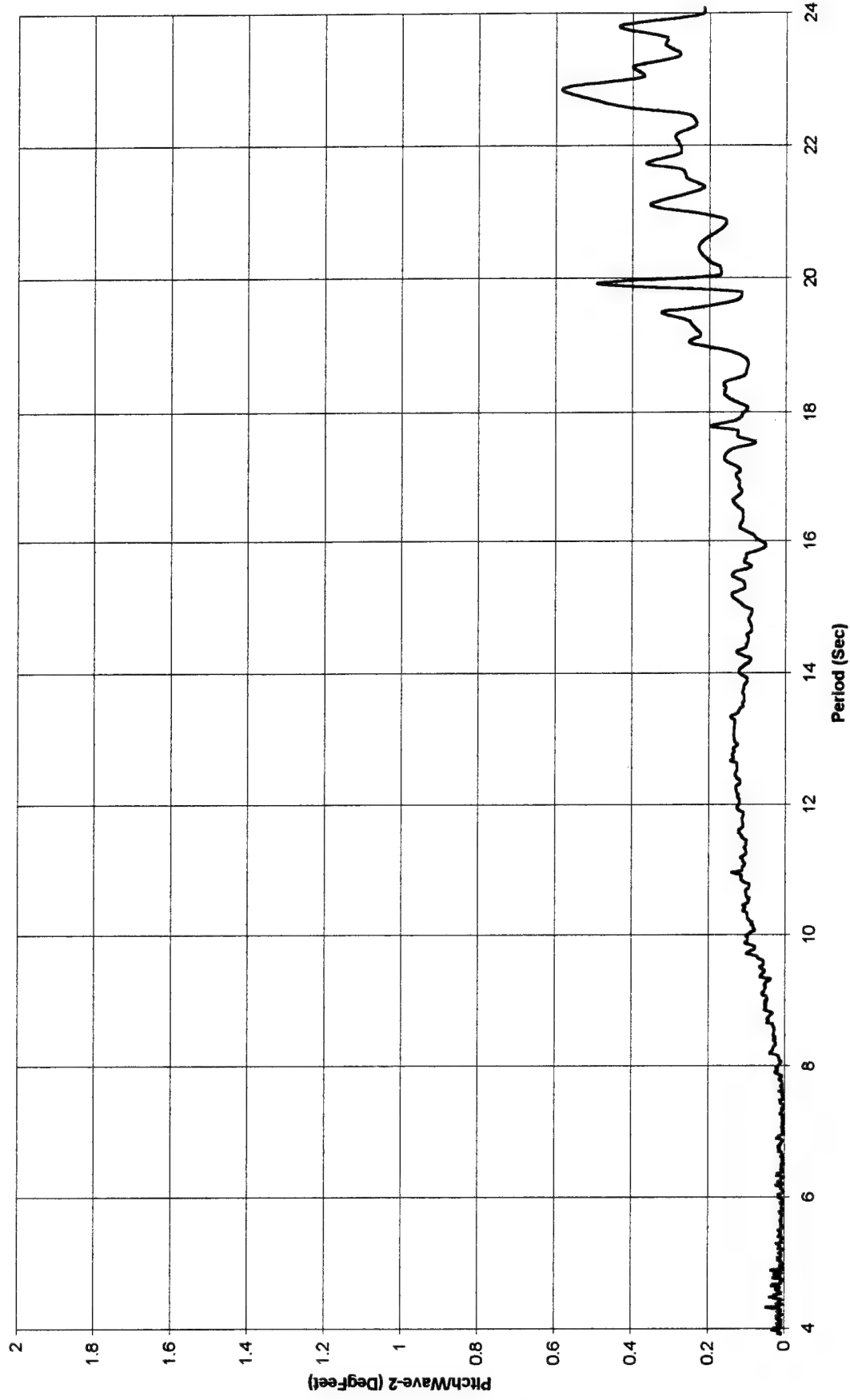
Test 361 - BT-1 RAO



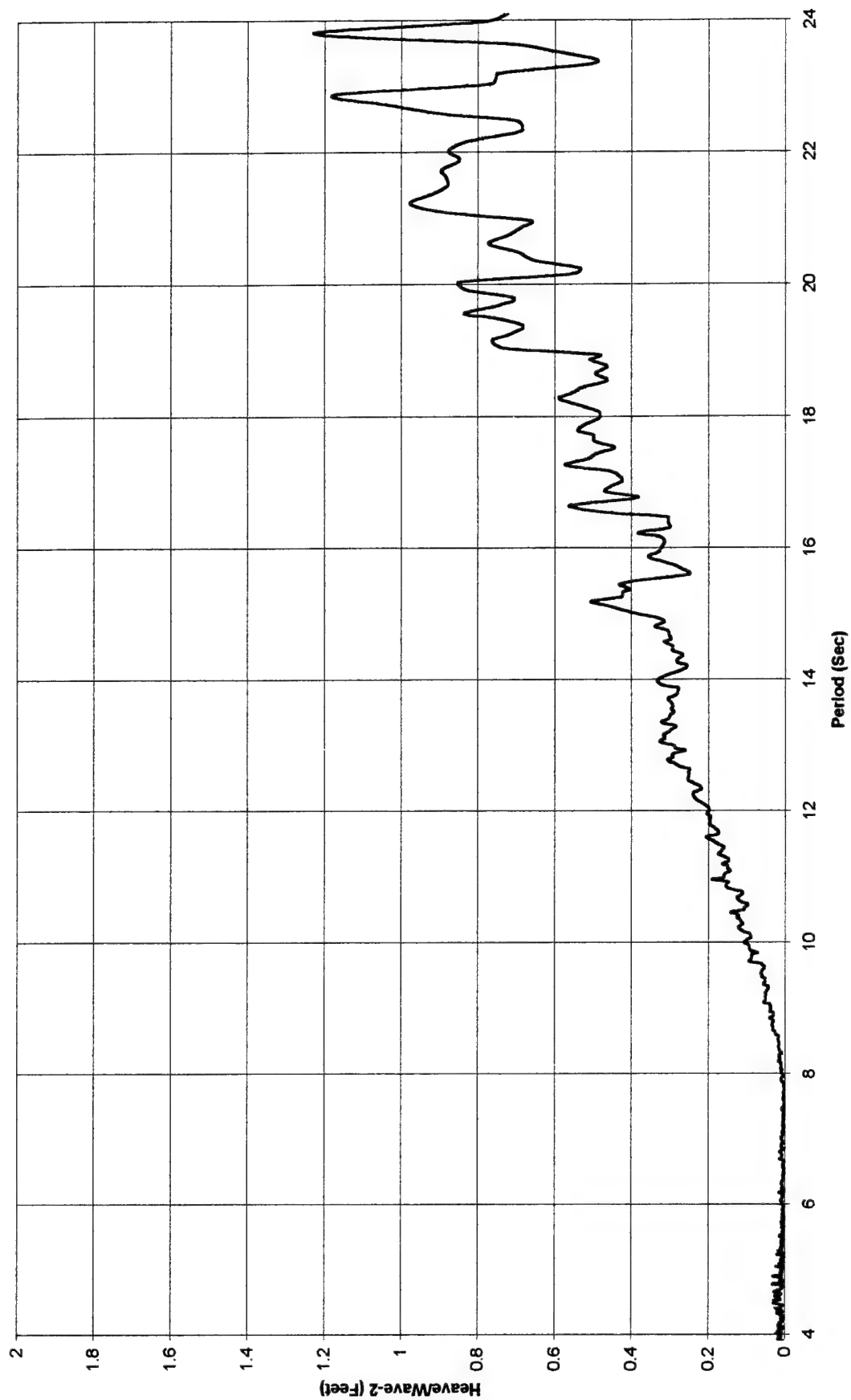
Test 361 - BT-2 RAO



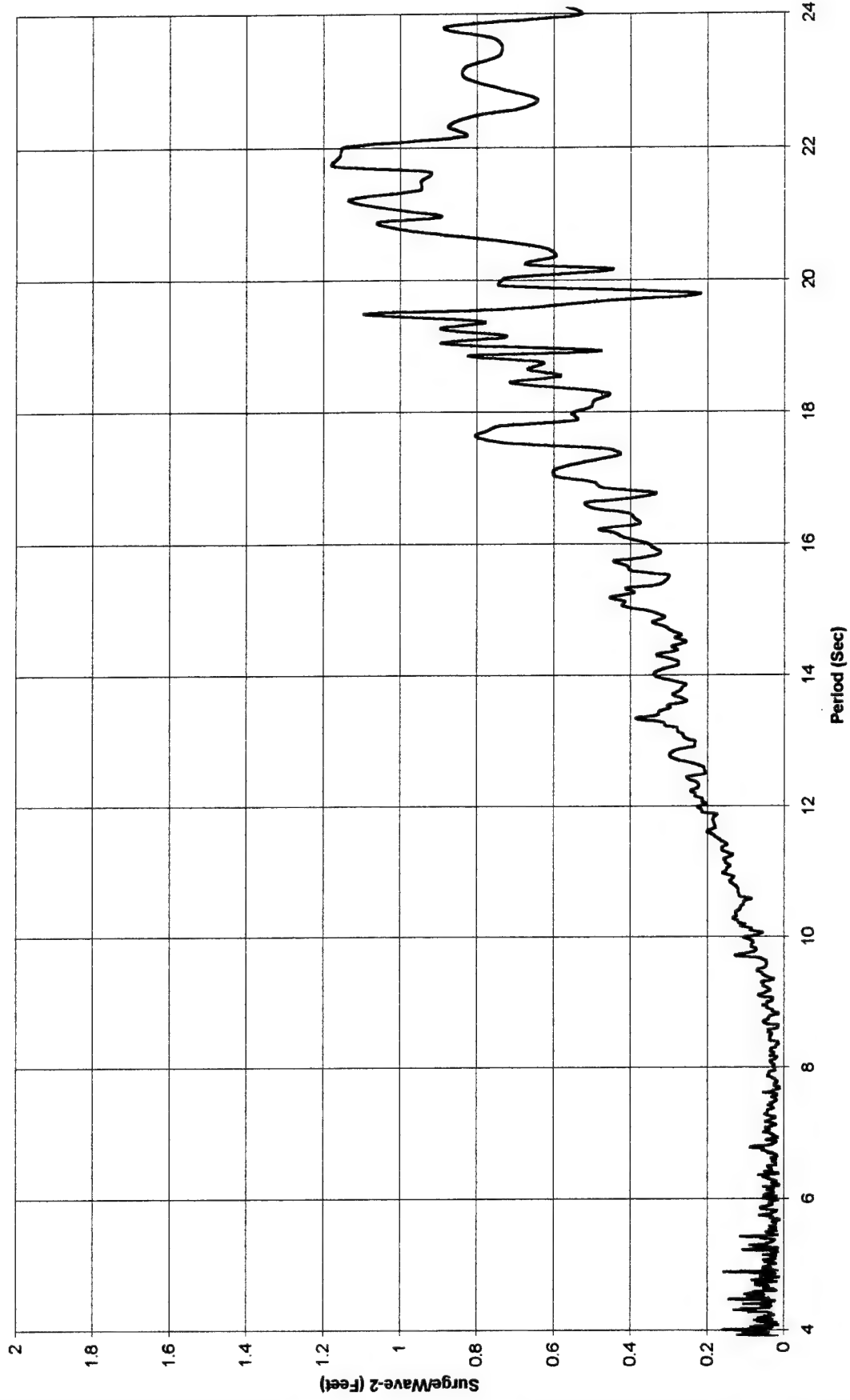
Test 362 - PITCH RAO



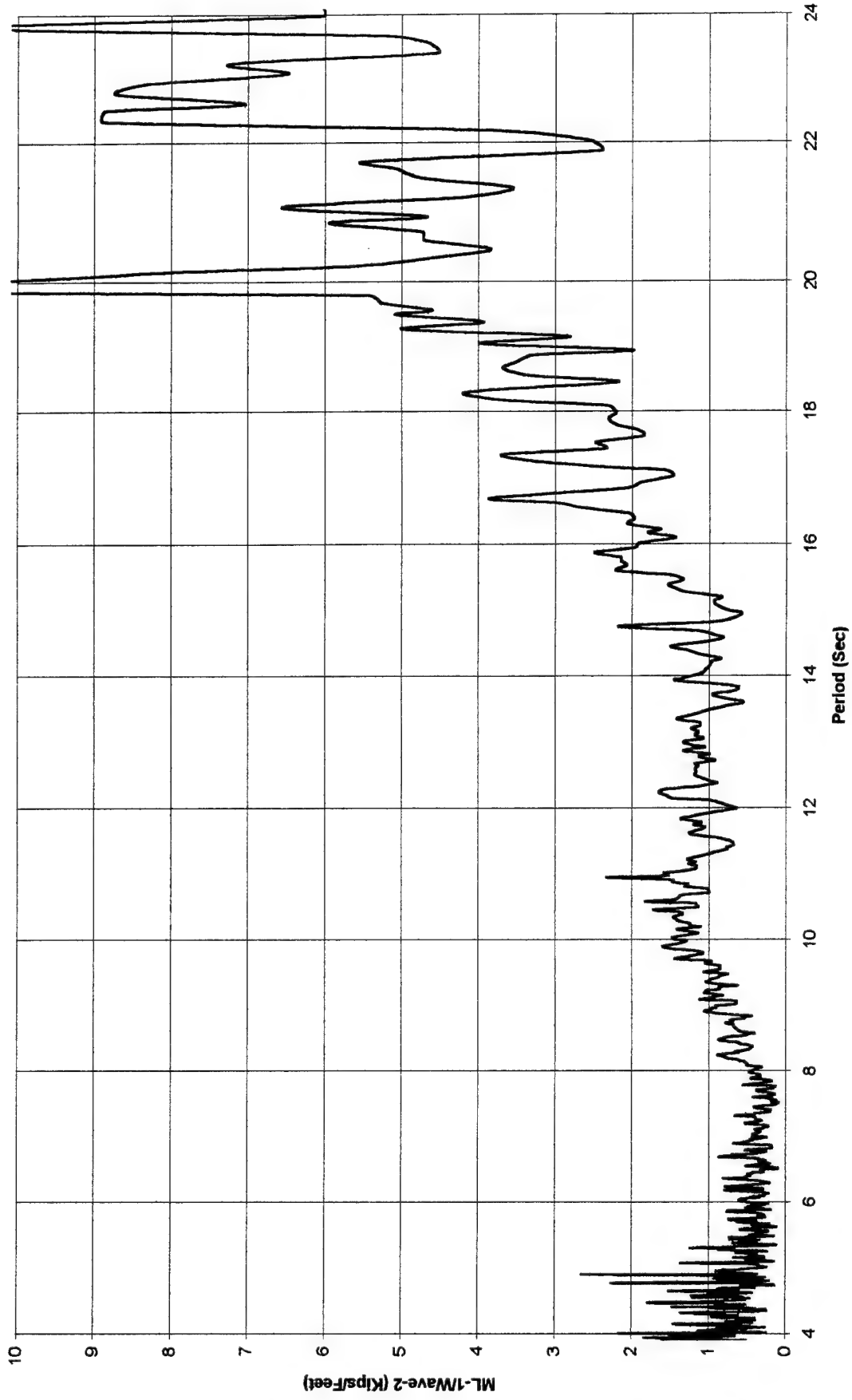
Test 362 - HEAVE RAO



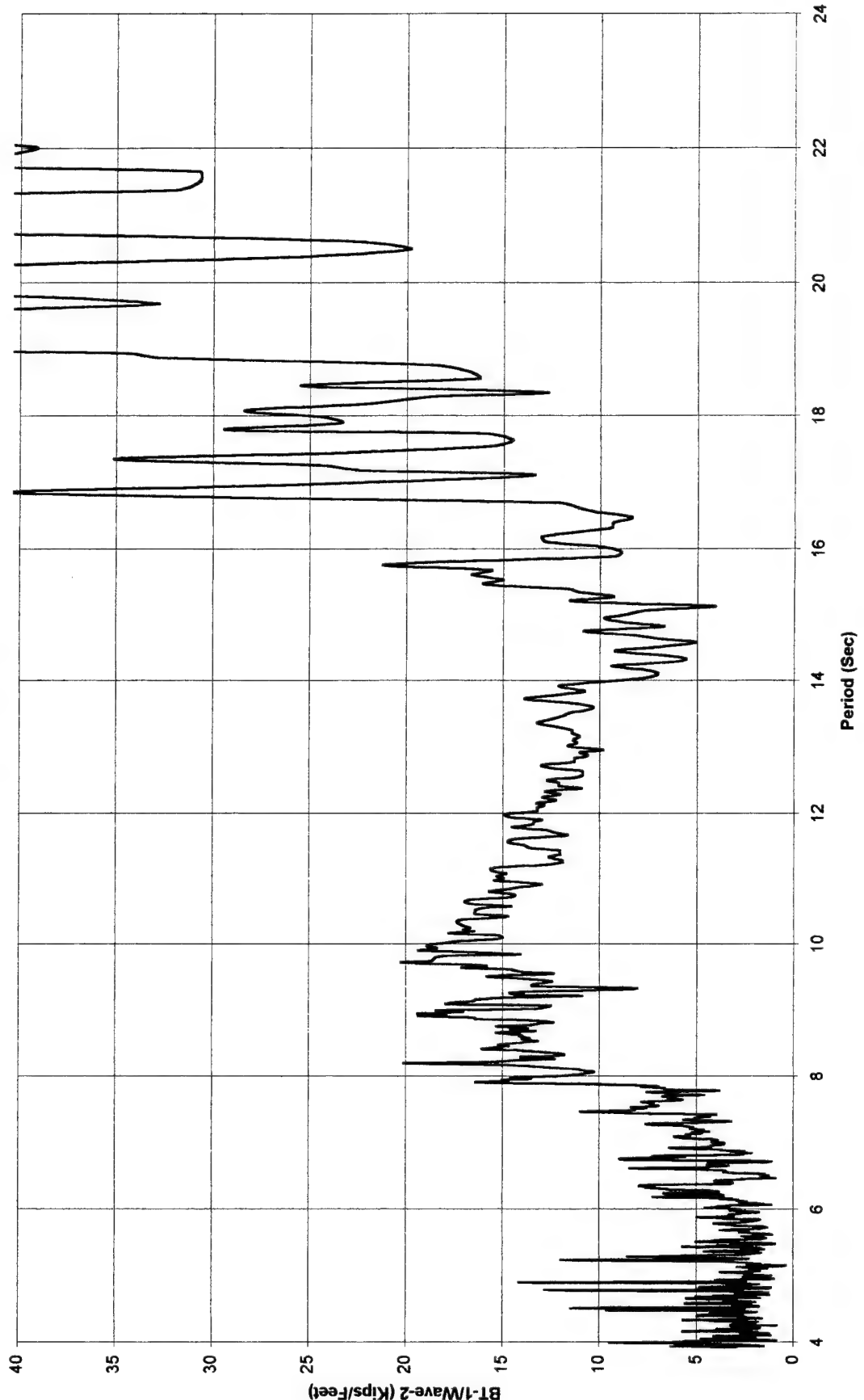
Test 362 - SURGE RAO



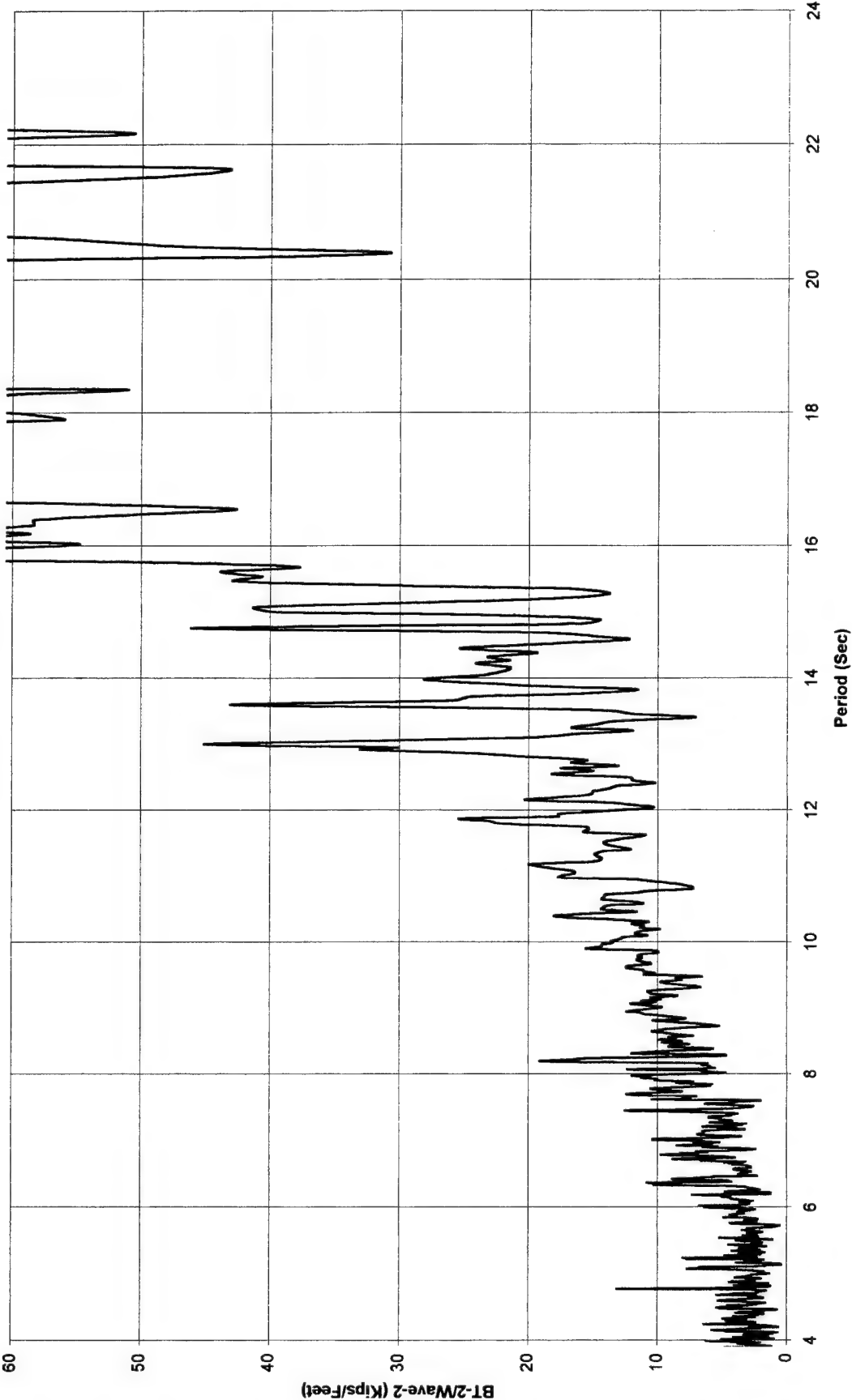
Test 362 - ML-1 RAO



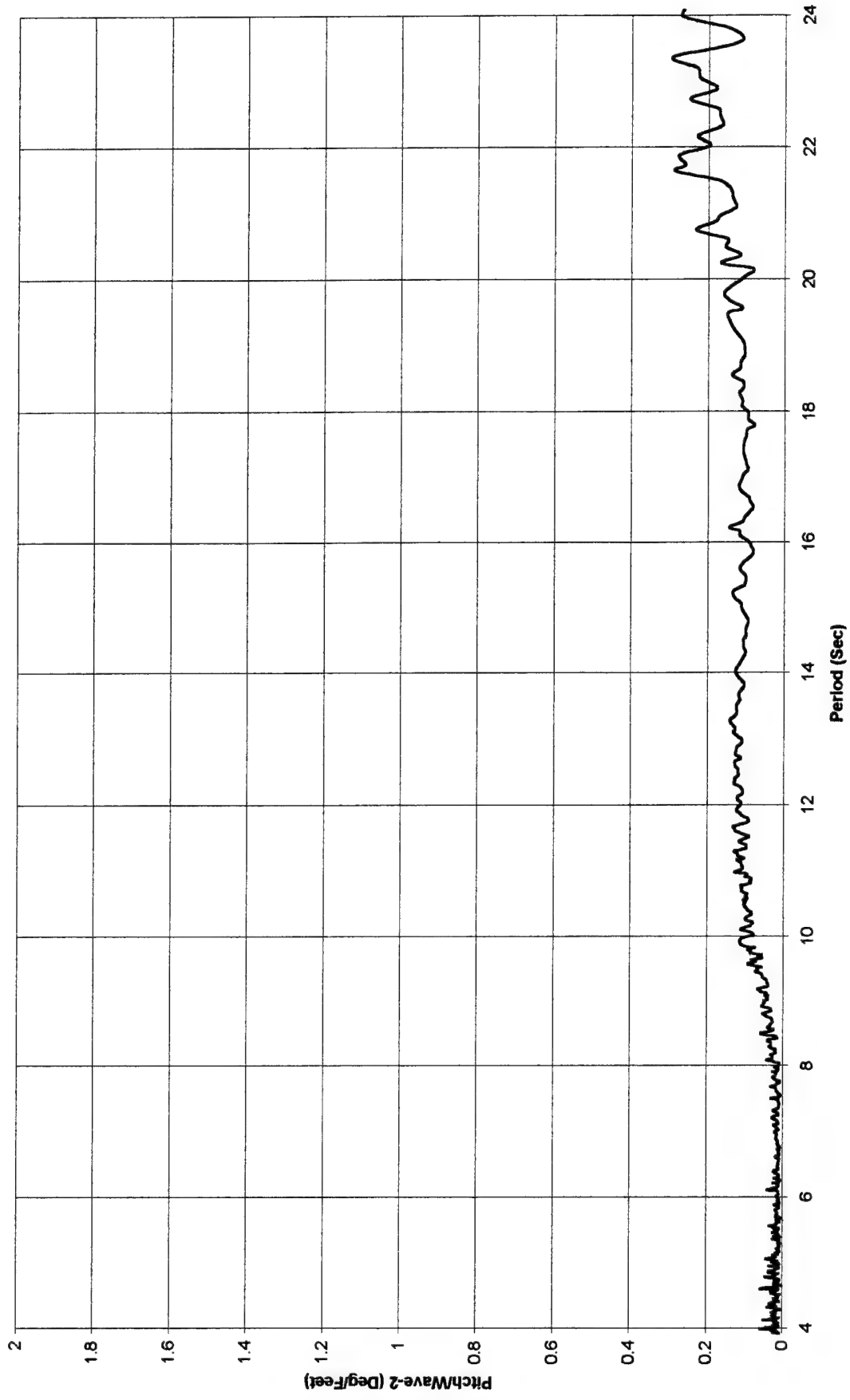
Test 362 - BT-1 RAO



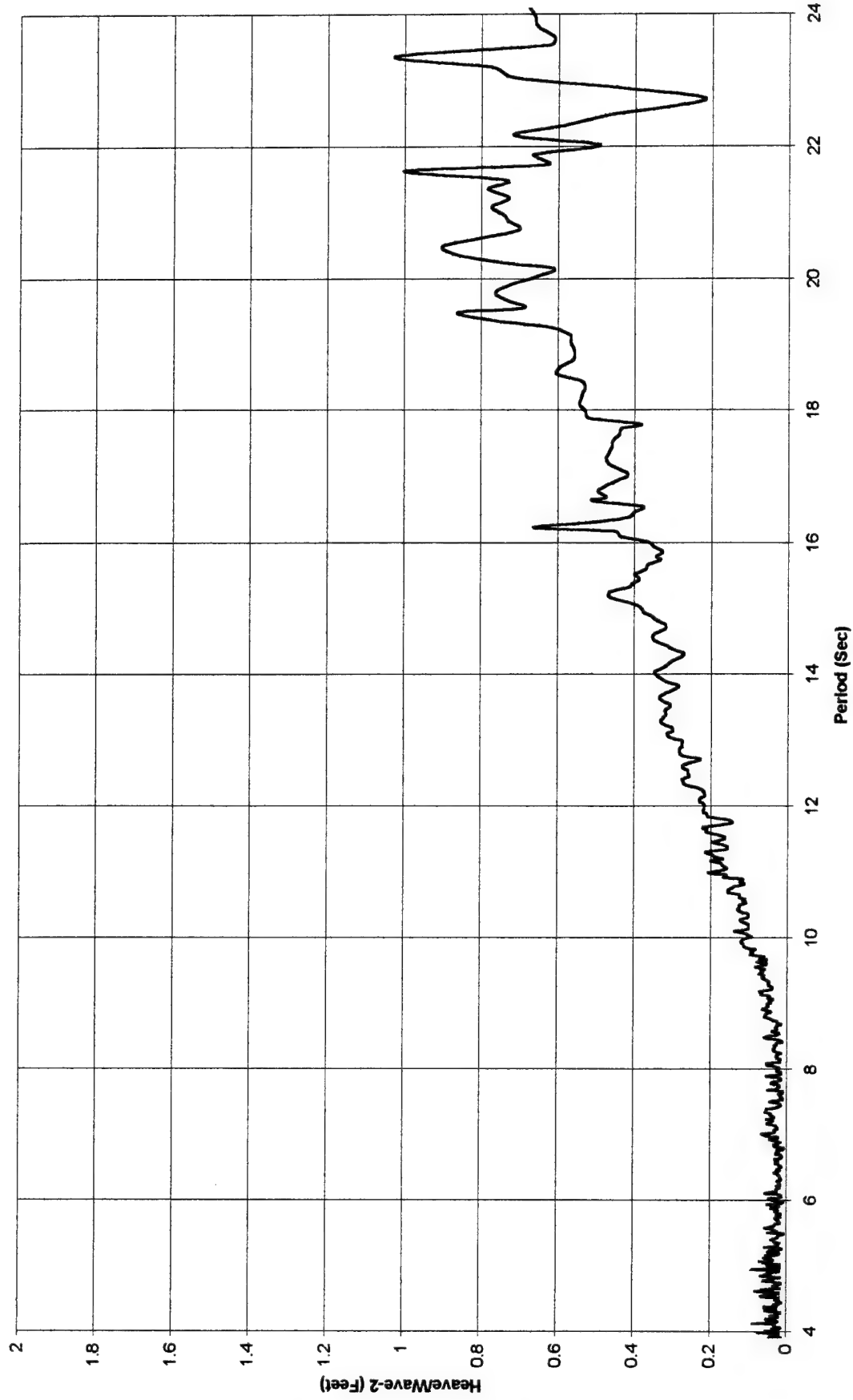
Test 362 - BT-2 RAO



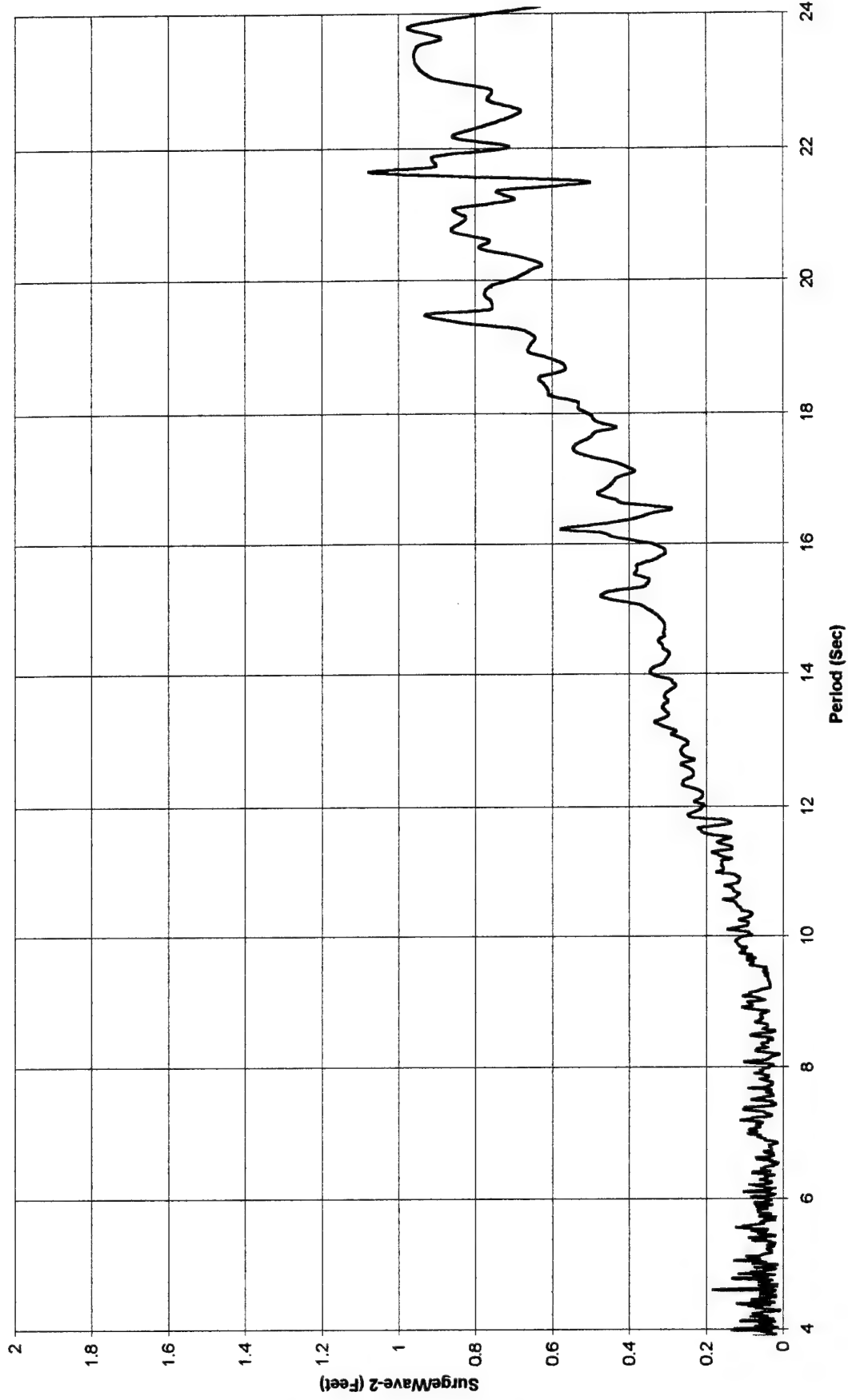
Test 363 - PITCH RAO



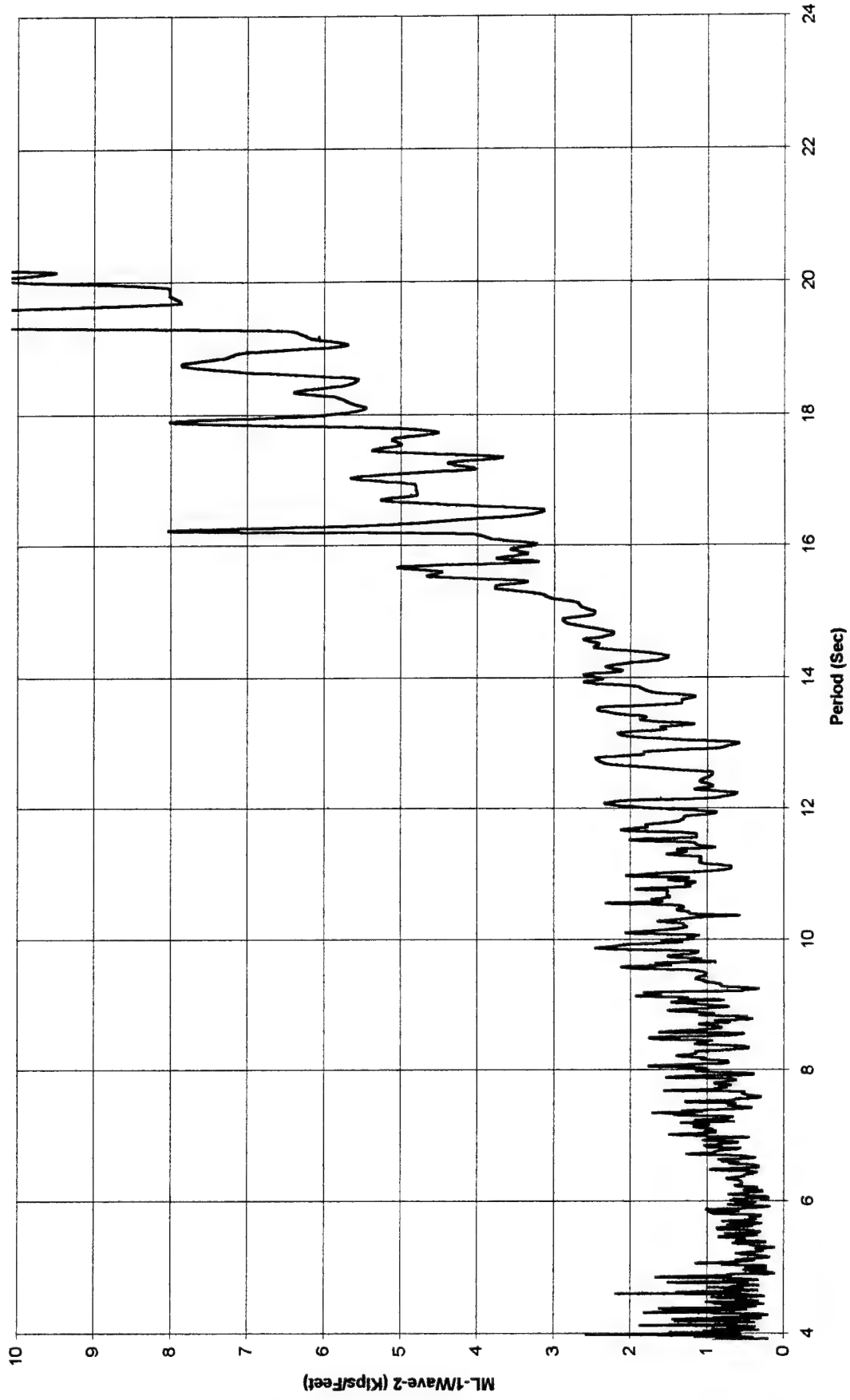
Test 363 - HEAVE RAO



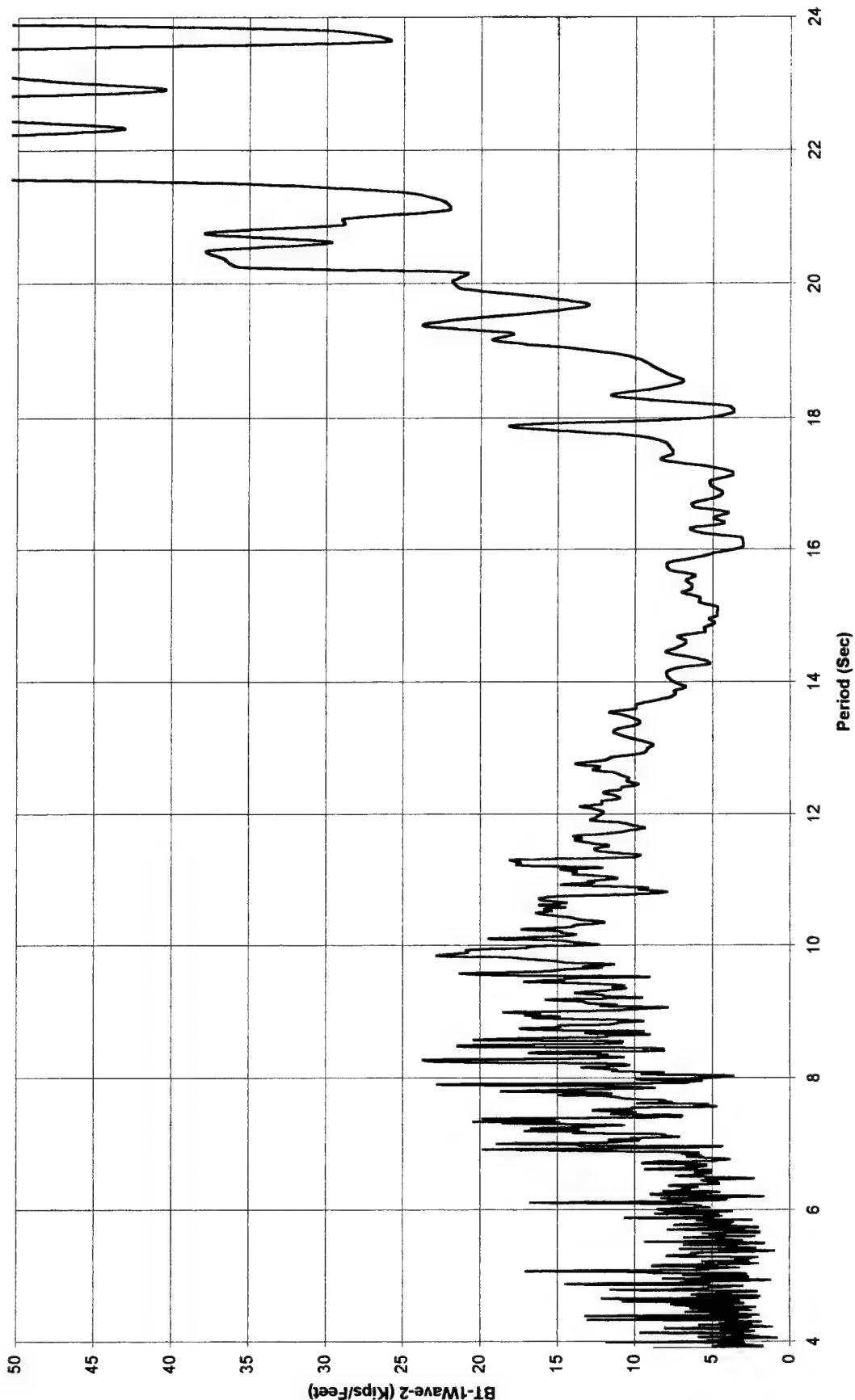
Test 363 - SURGE RAO



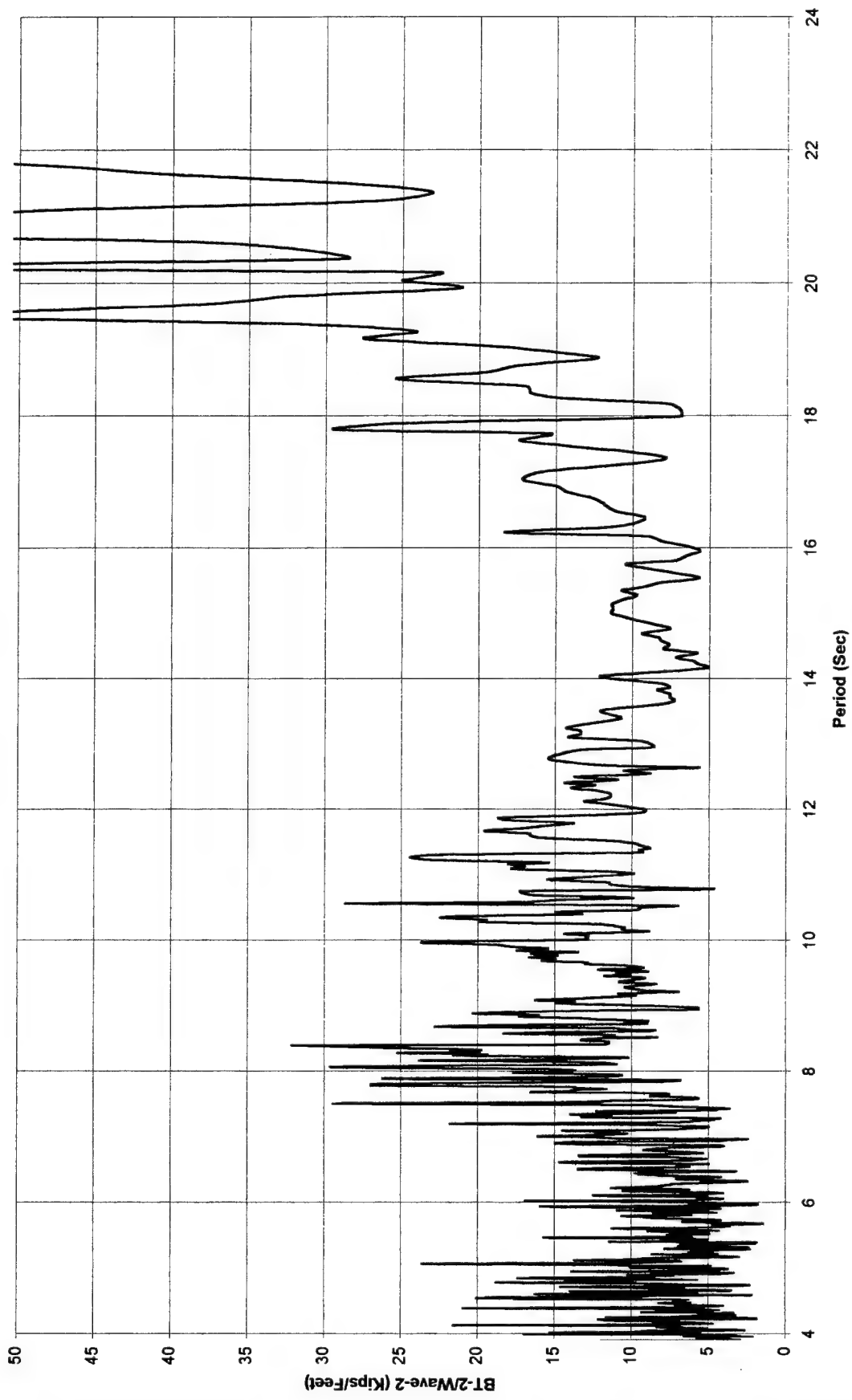
Test 363 - ML-1 RAO



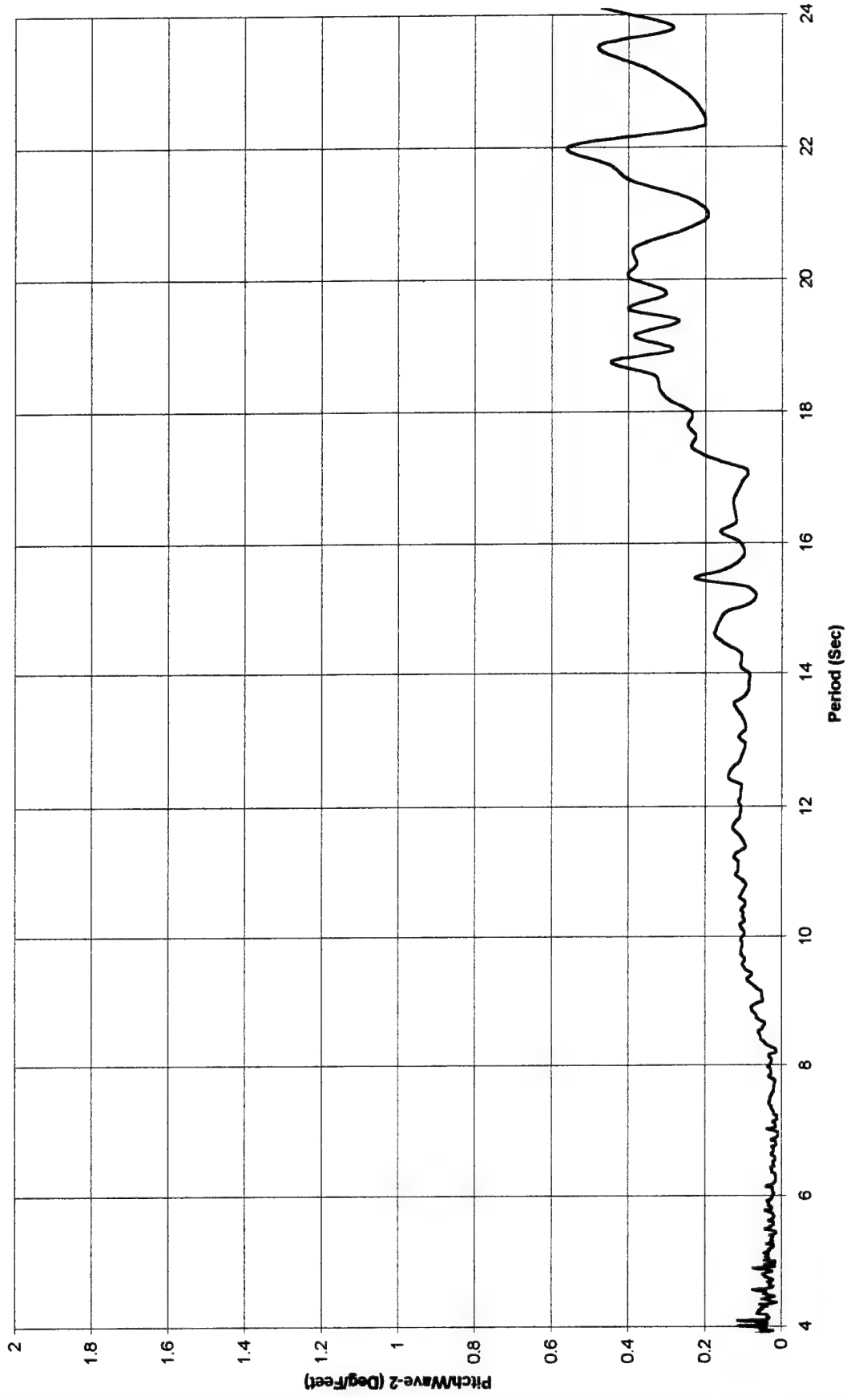
Test 363 - BT-1 RAO



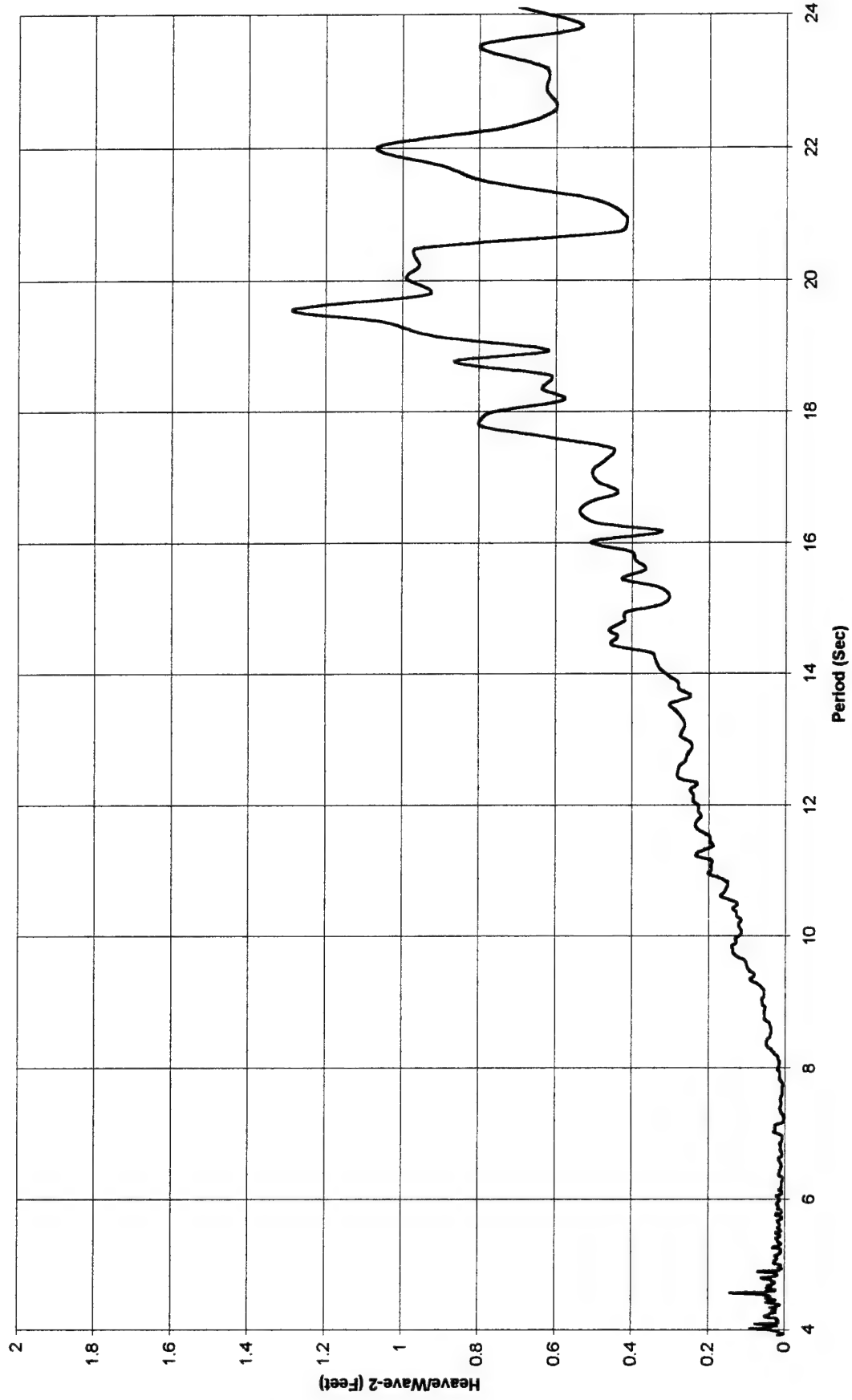
Test 363 - BT-2 RAO



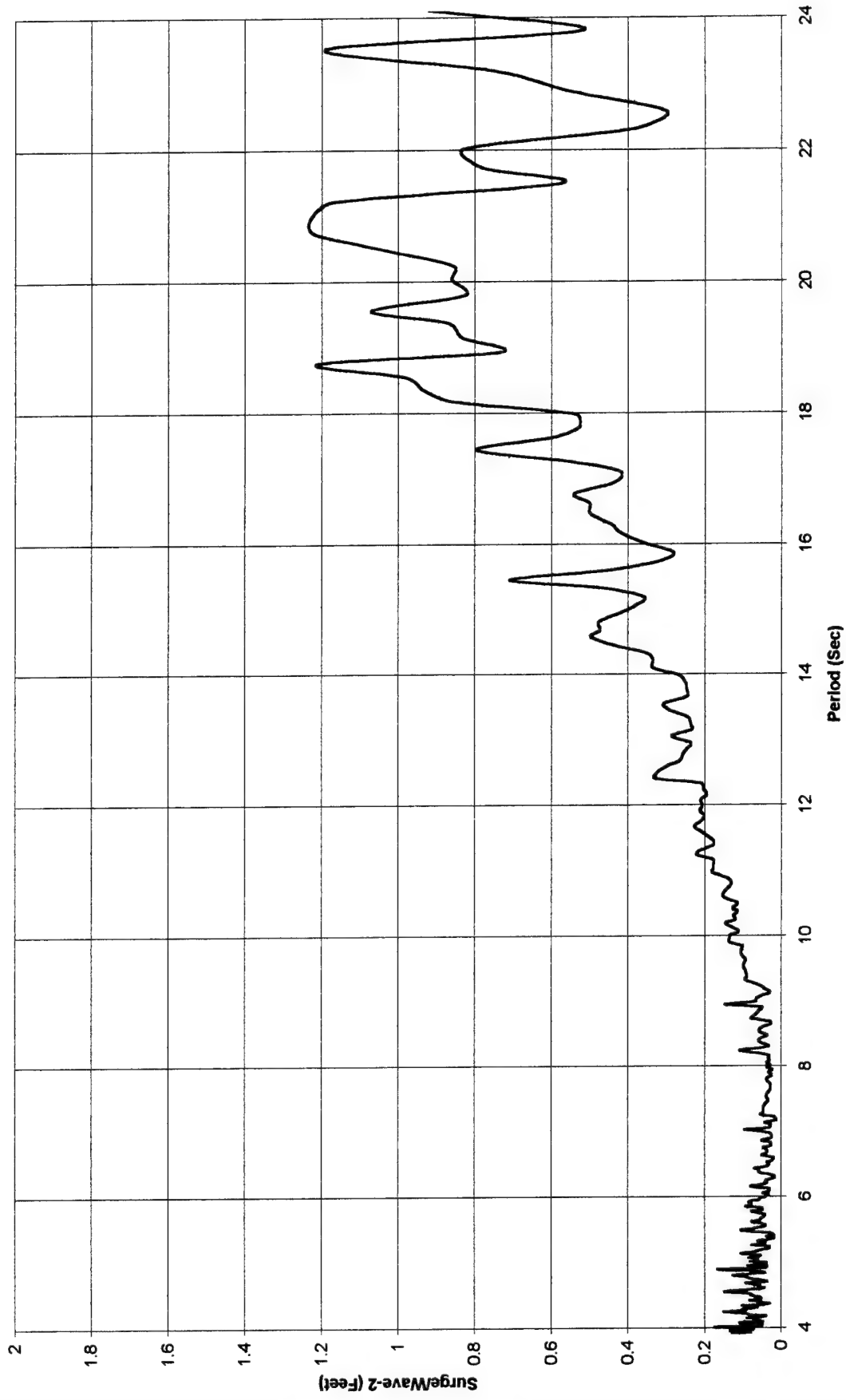
Test 422 - PITCH RAO



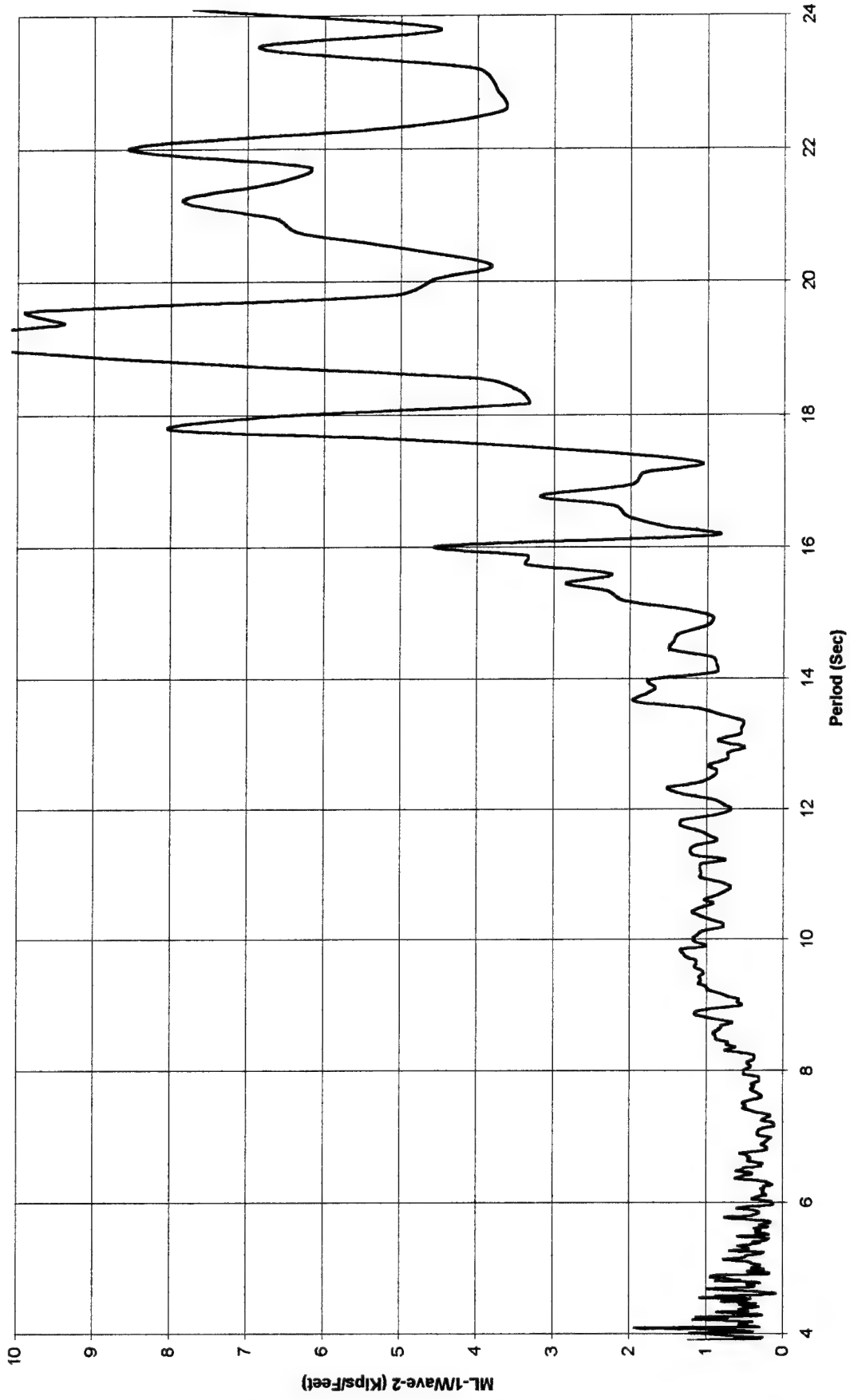
Test 422 - HEAVE RAO



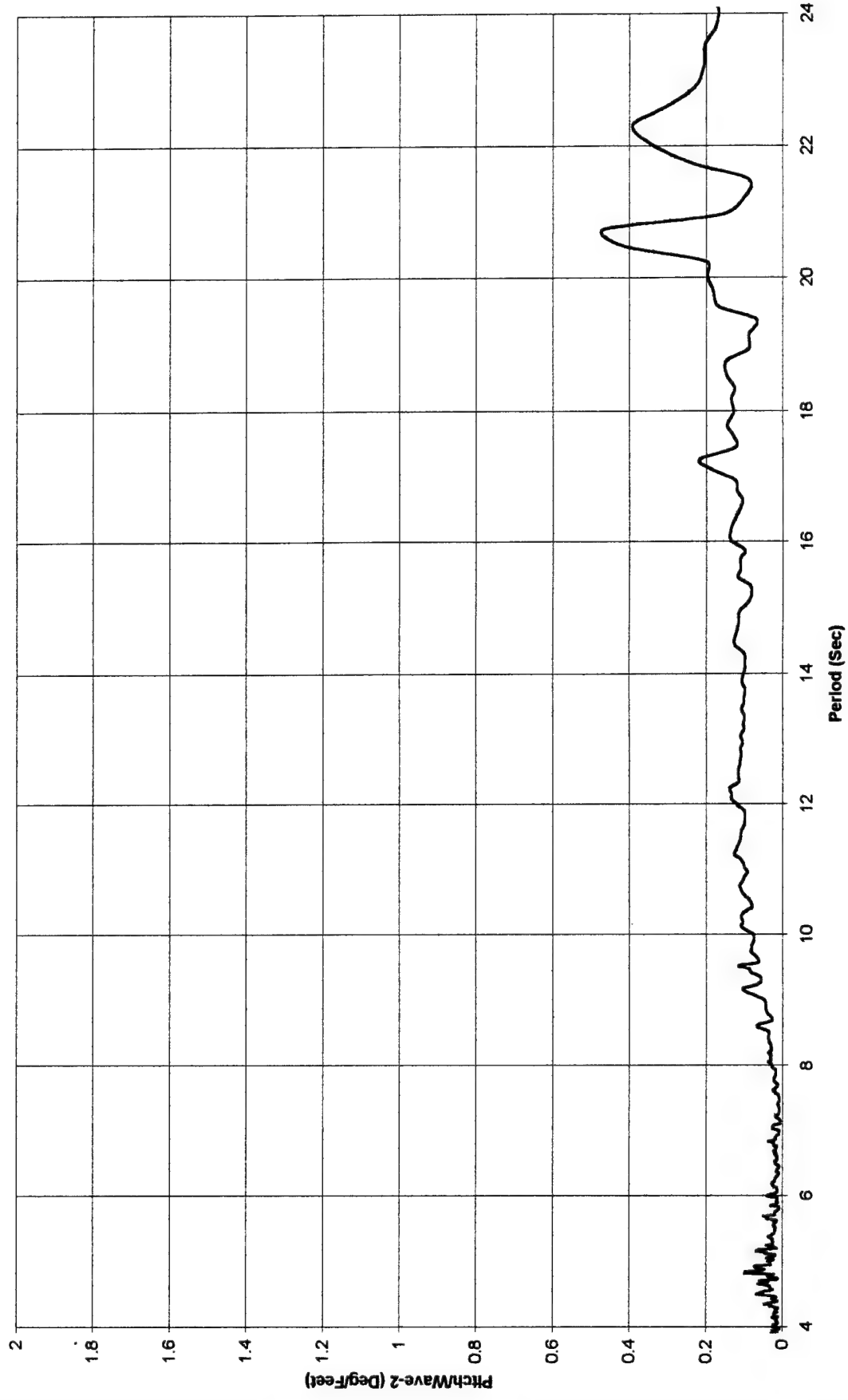
Test 422 - SURGE RAO



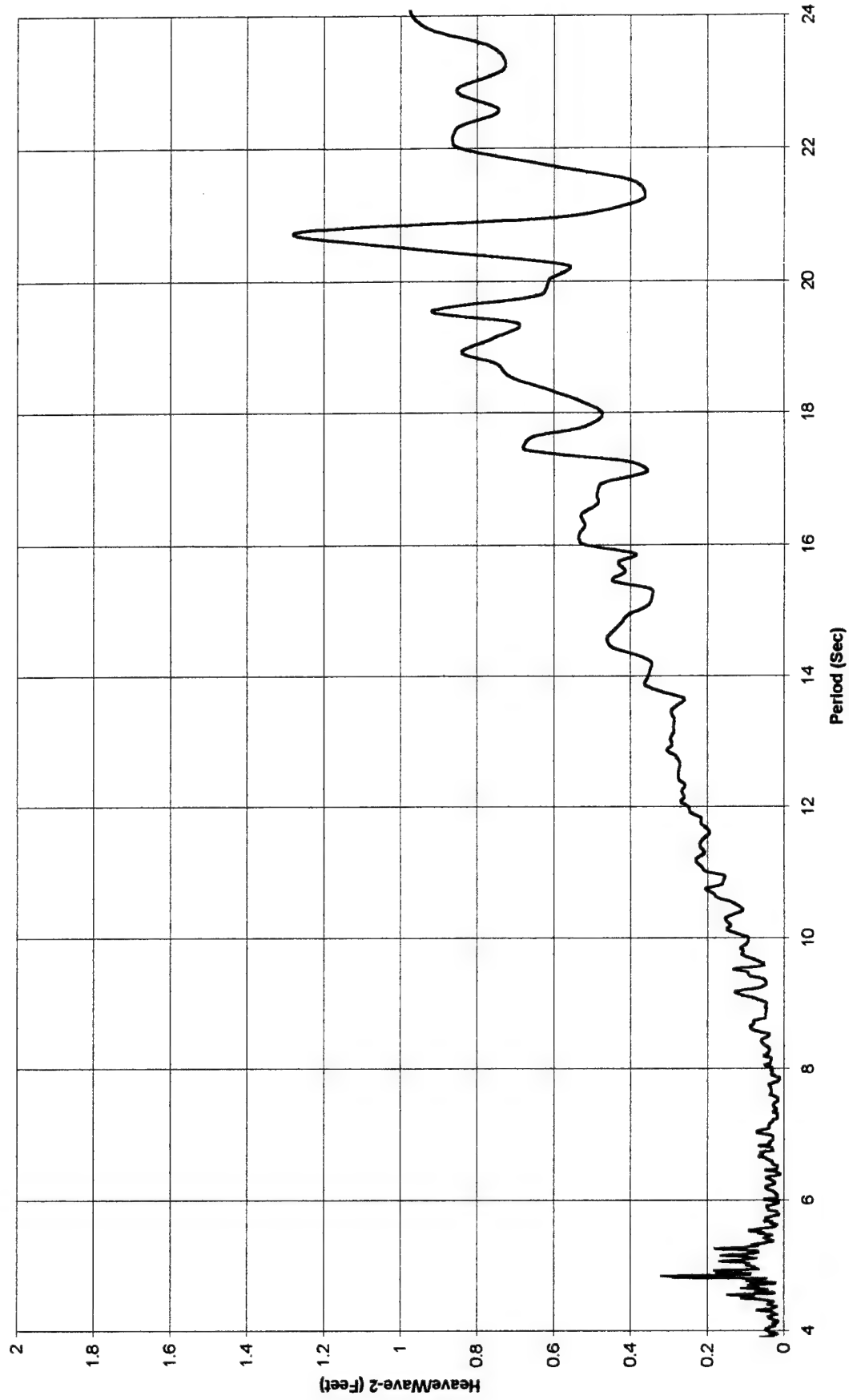
Test 422 - ML-1 RAO



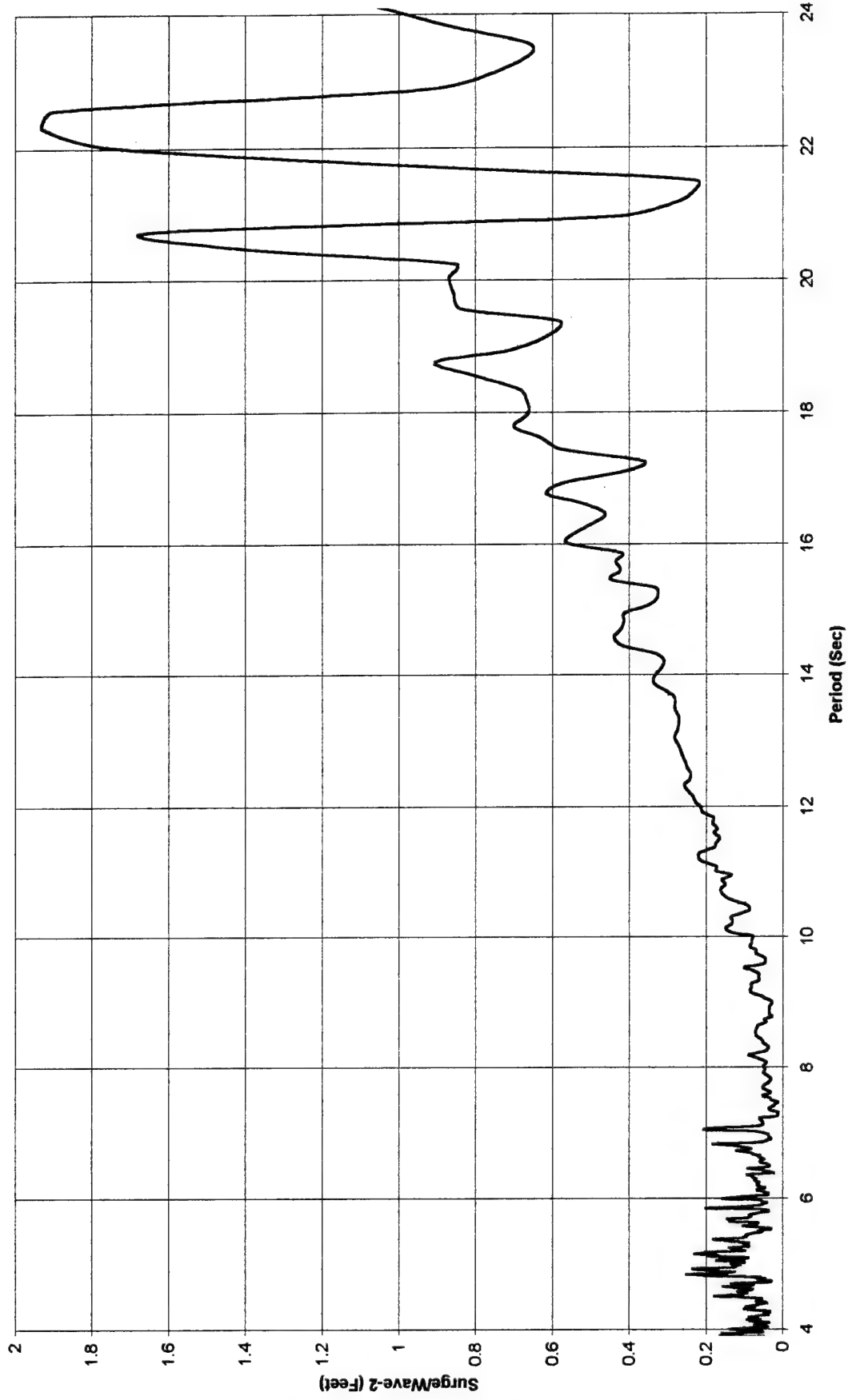
Test 423 - PITCH RAO



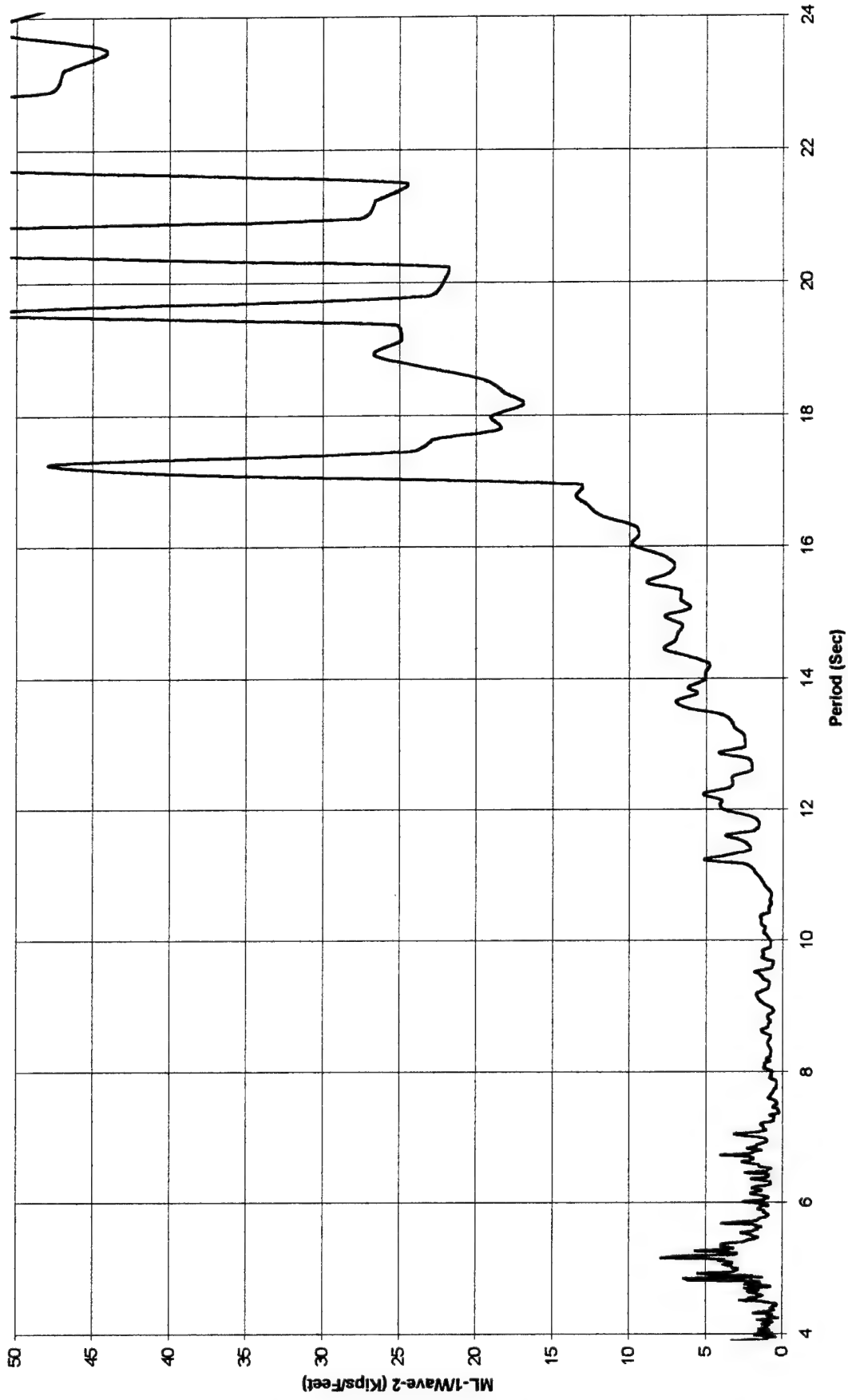
Test 423 - HEAVE RAO



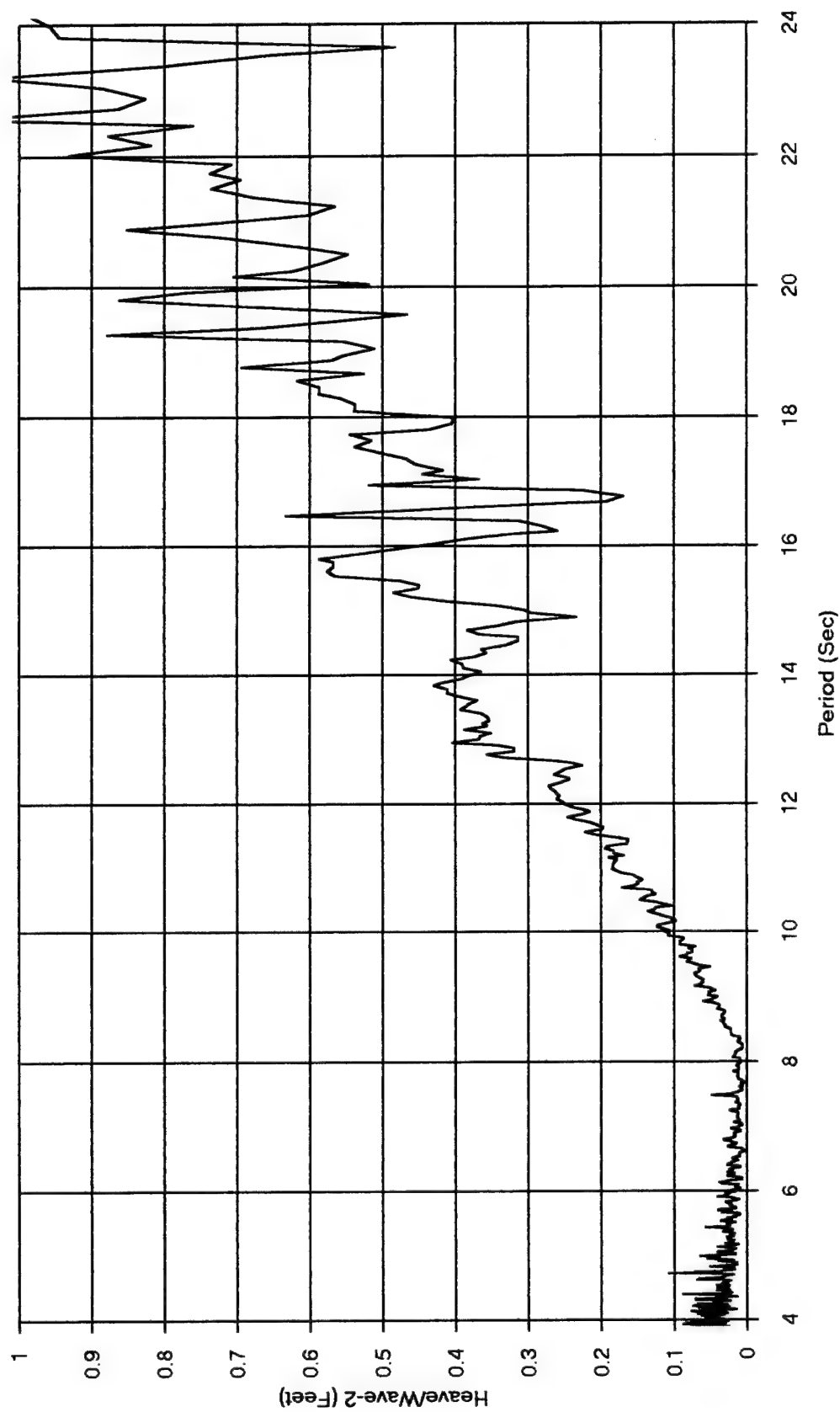
Test 423 - SURGE RAO



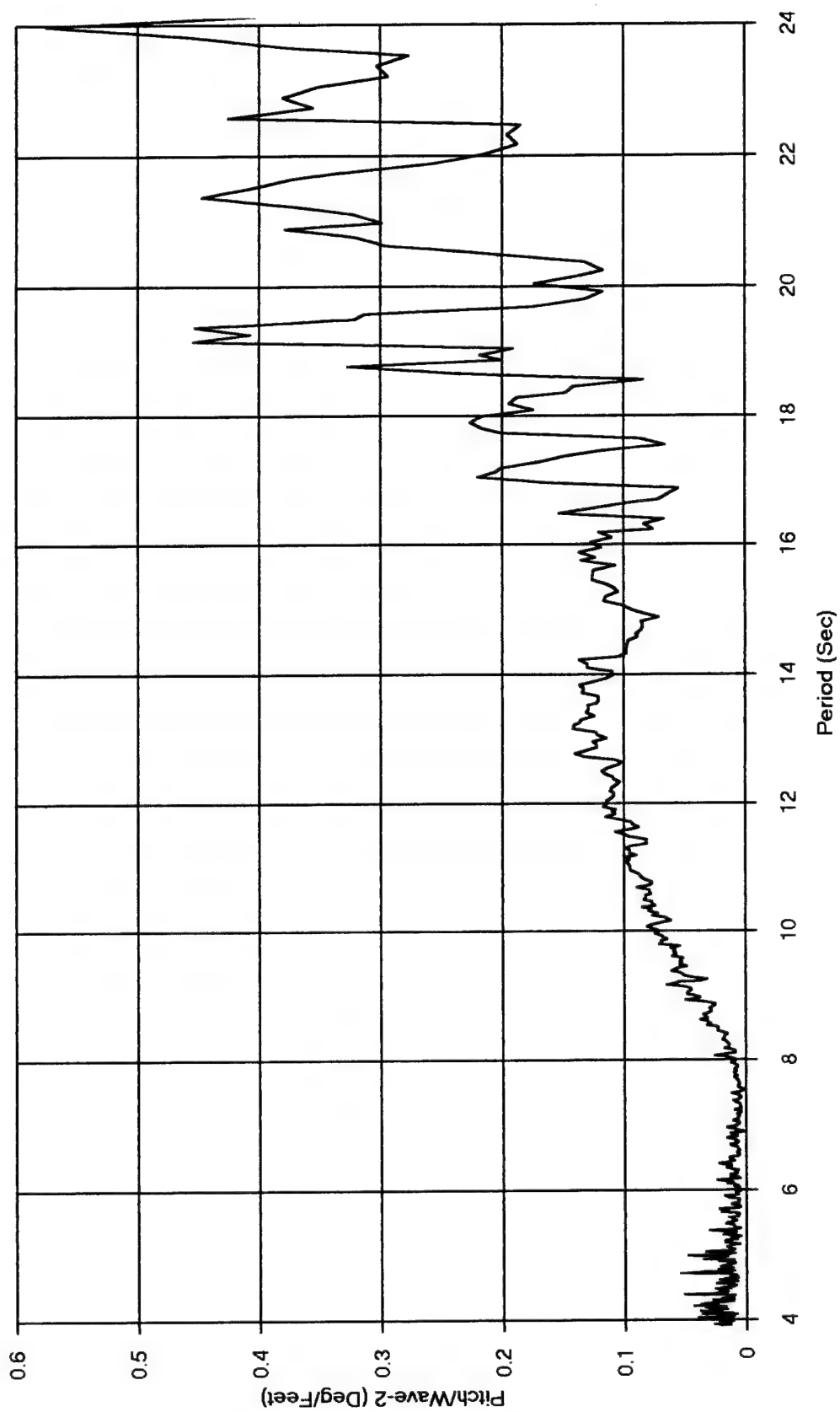
Test 423 - ML-1 RAO



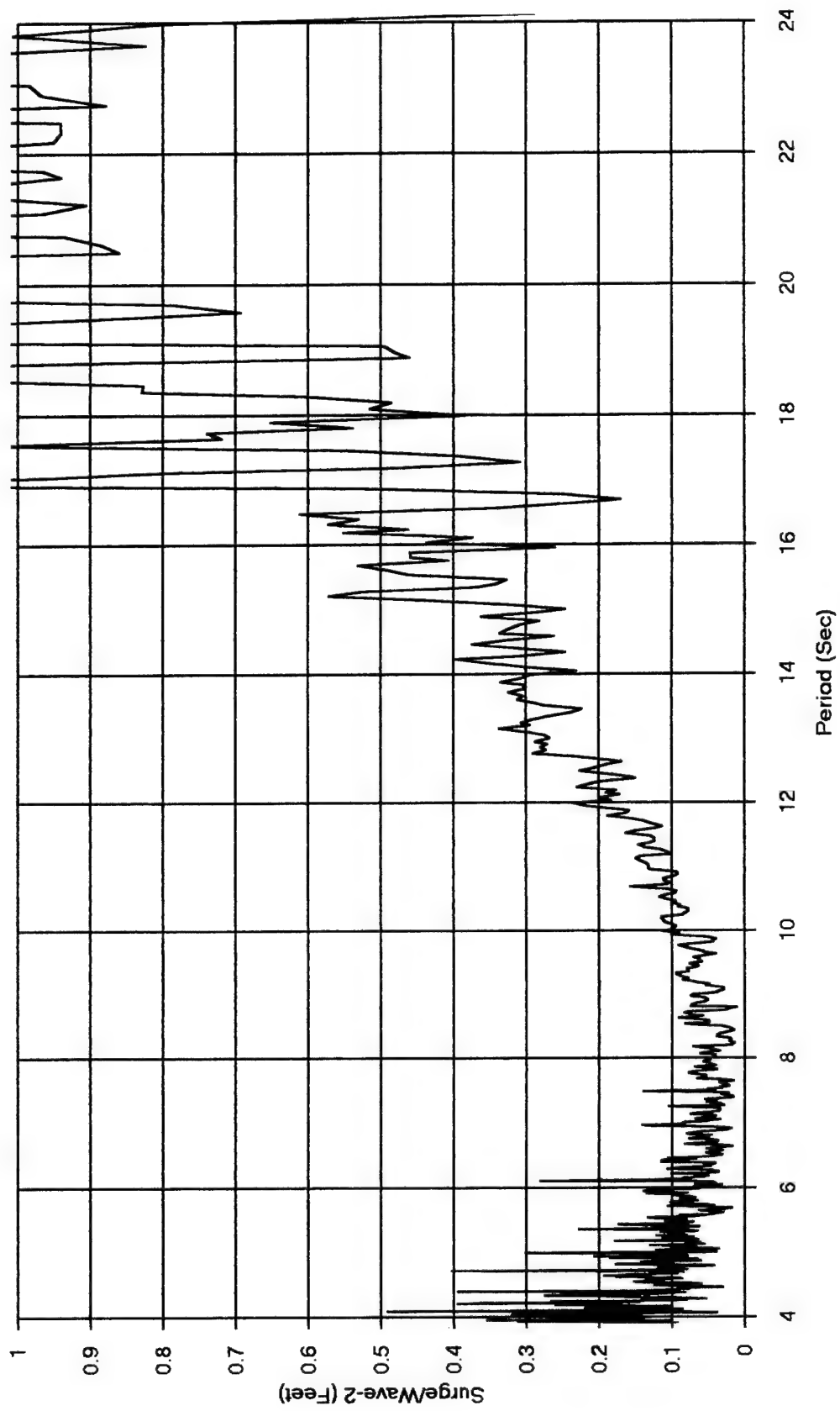
Test A556B - HEAVE RAO



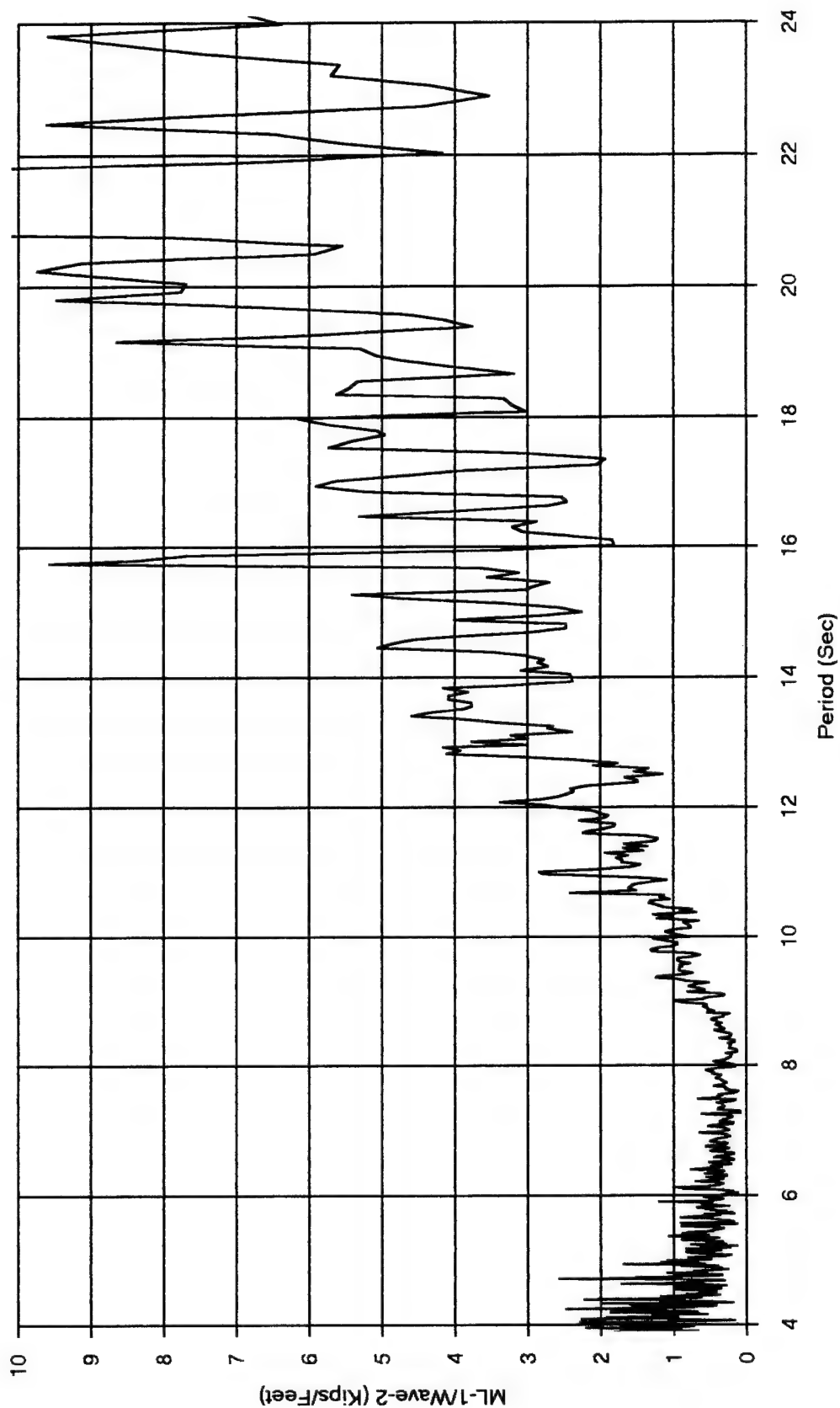
Test A556B - PITCH RAD



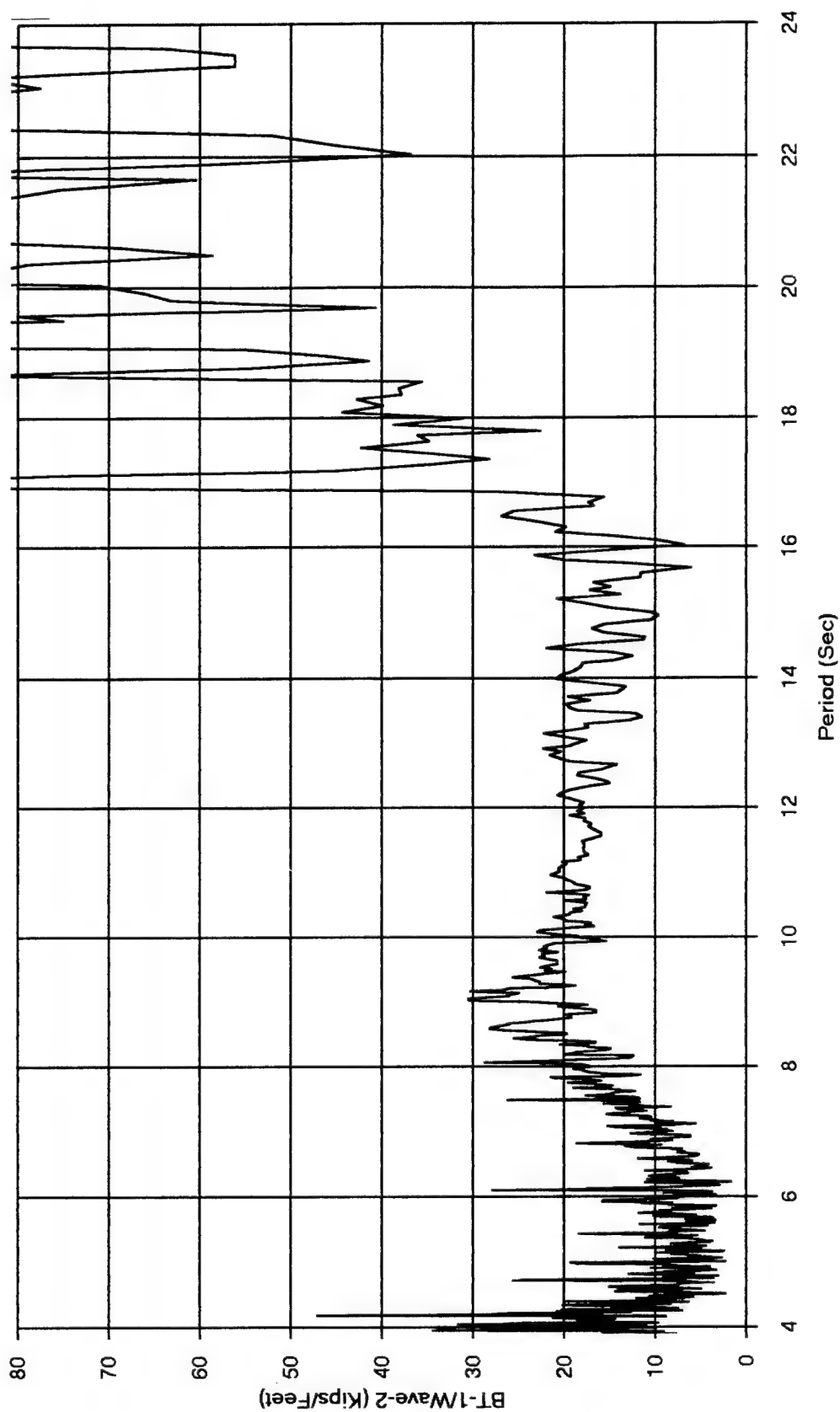
Test A556B - SURGE RAO



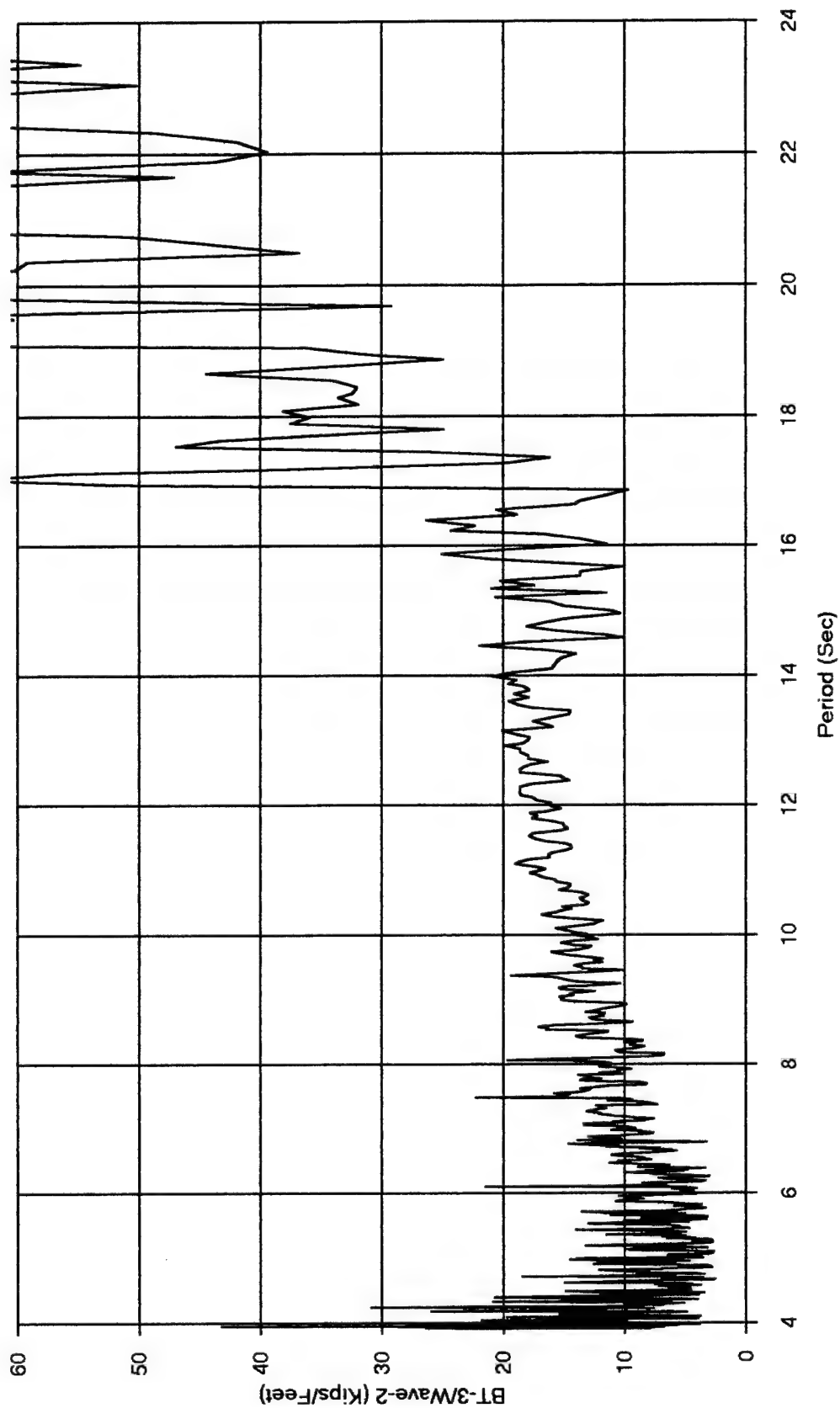
Test A556B - ML-1 RAD



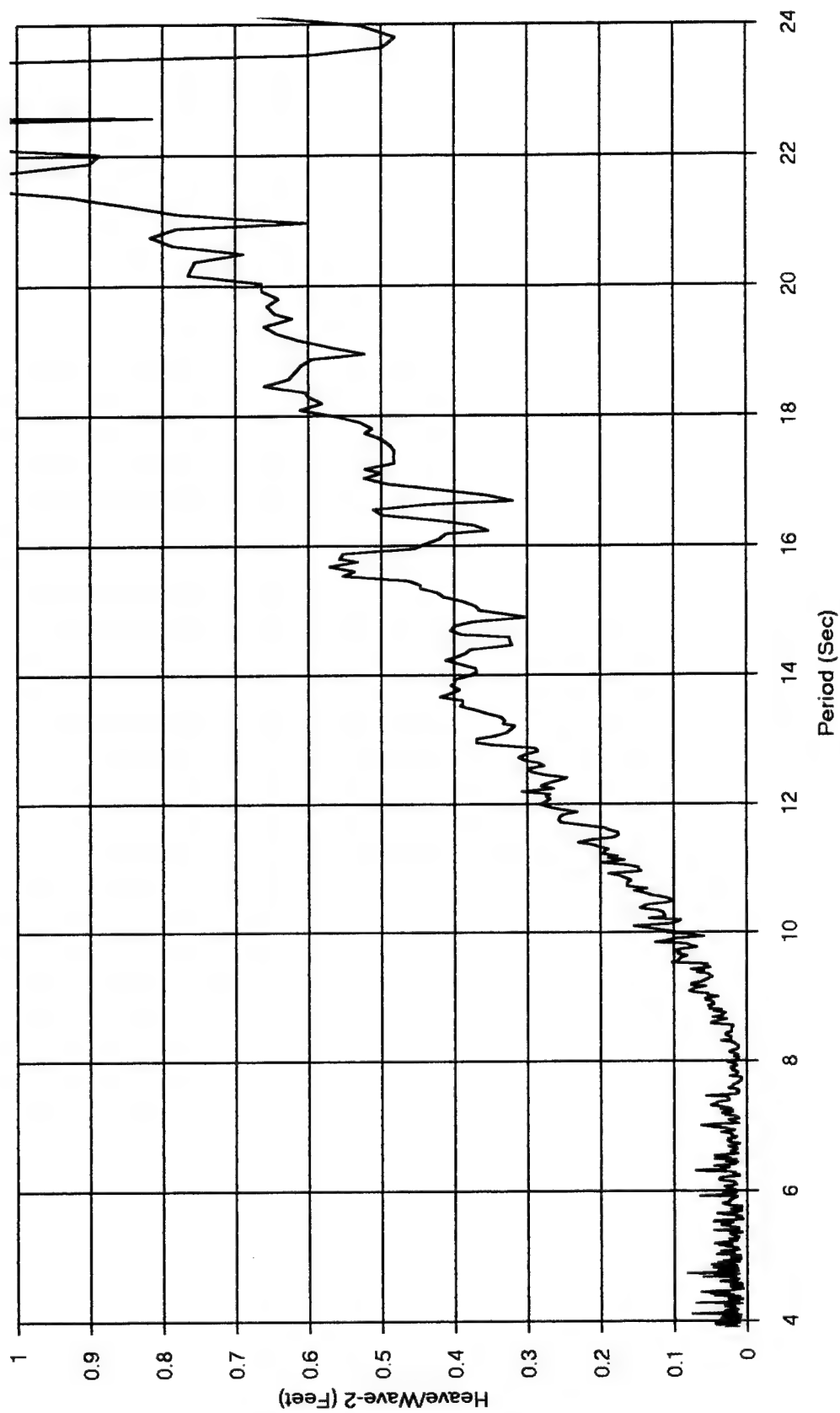
Test A556B - BT-1 RAO



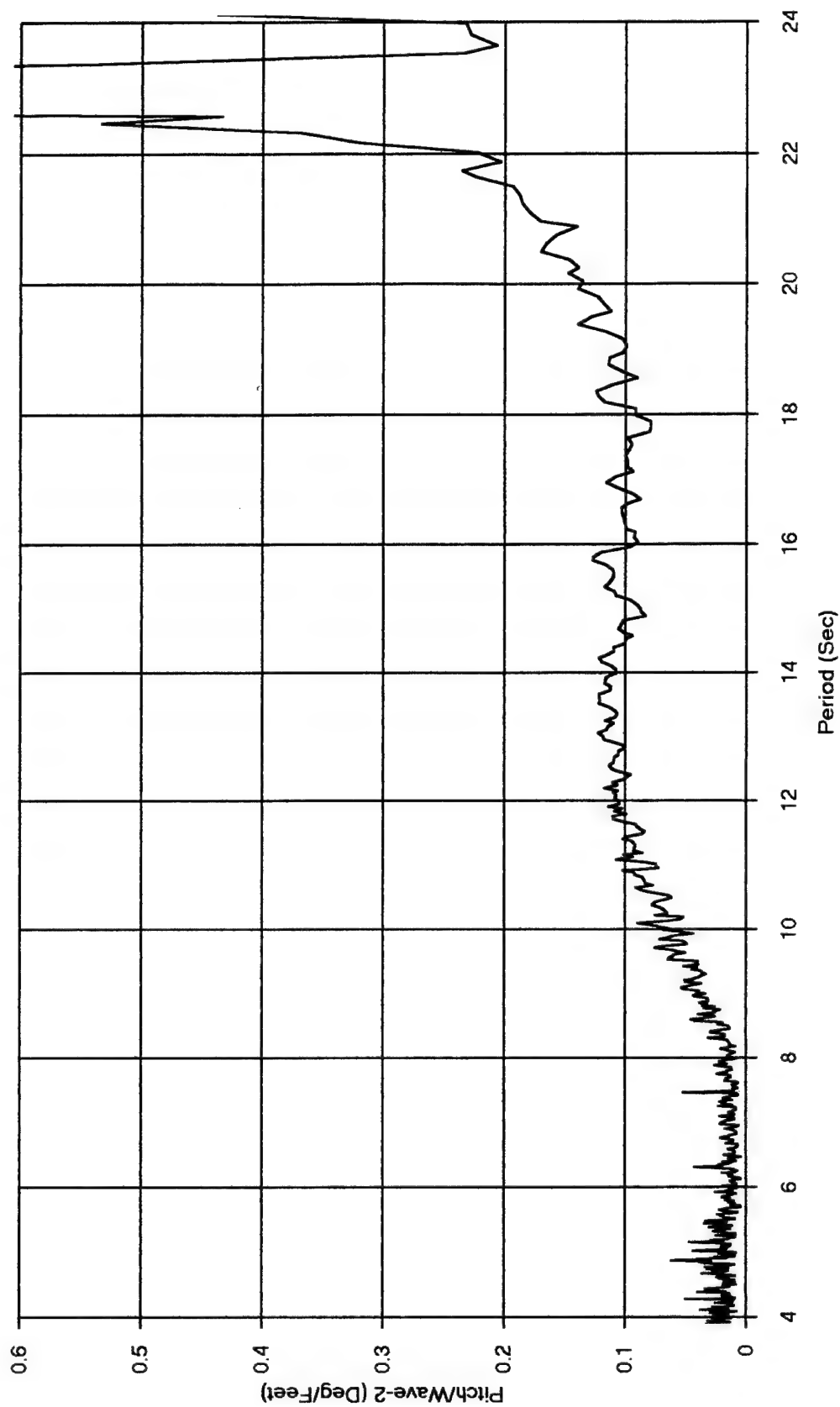
Test A556B - BT-3 RAD



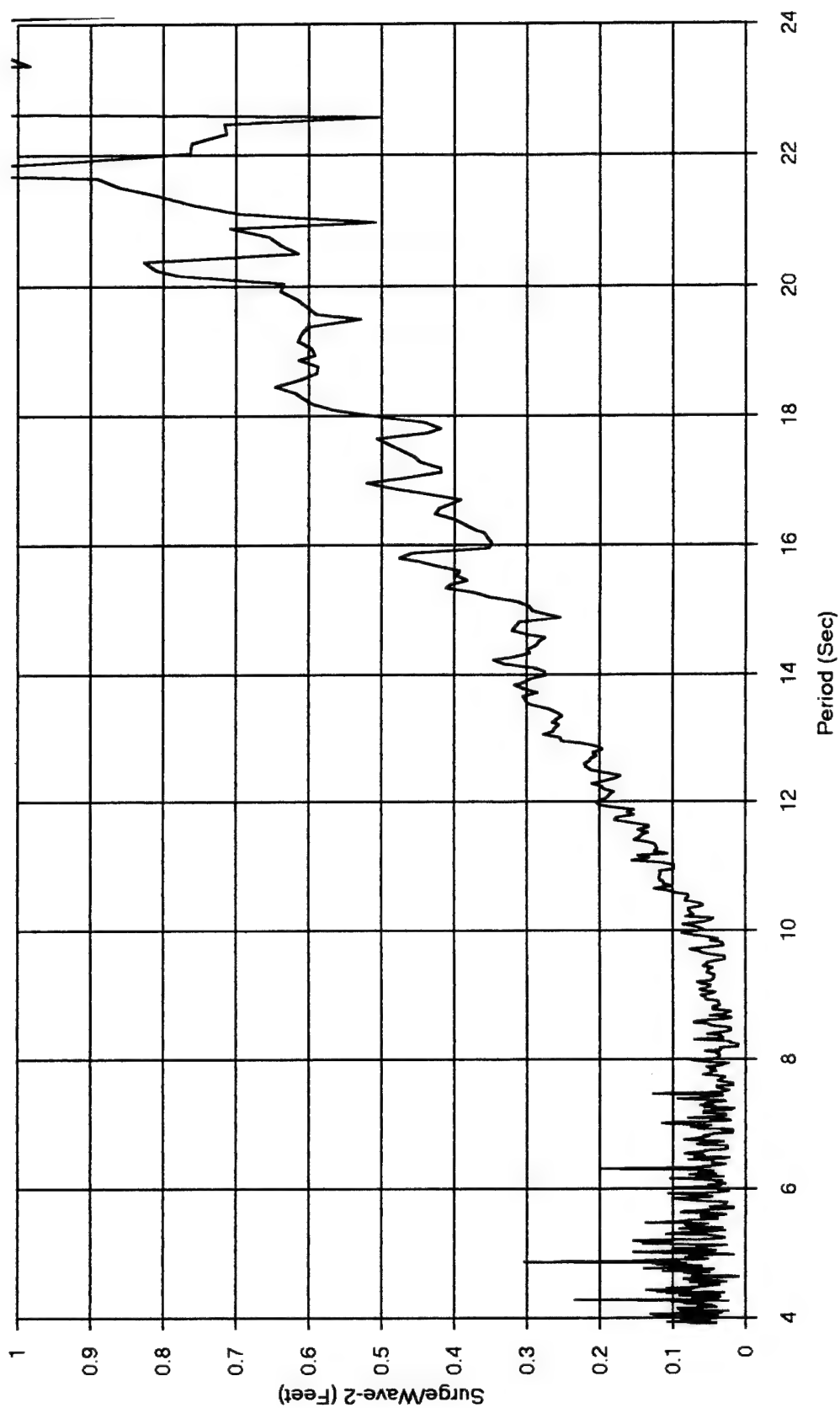
Test A557 - HEAVE RAD



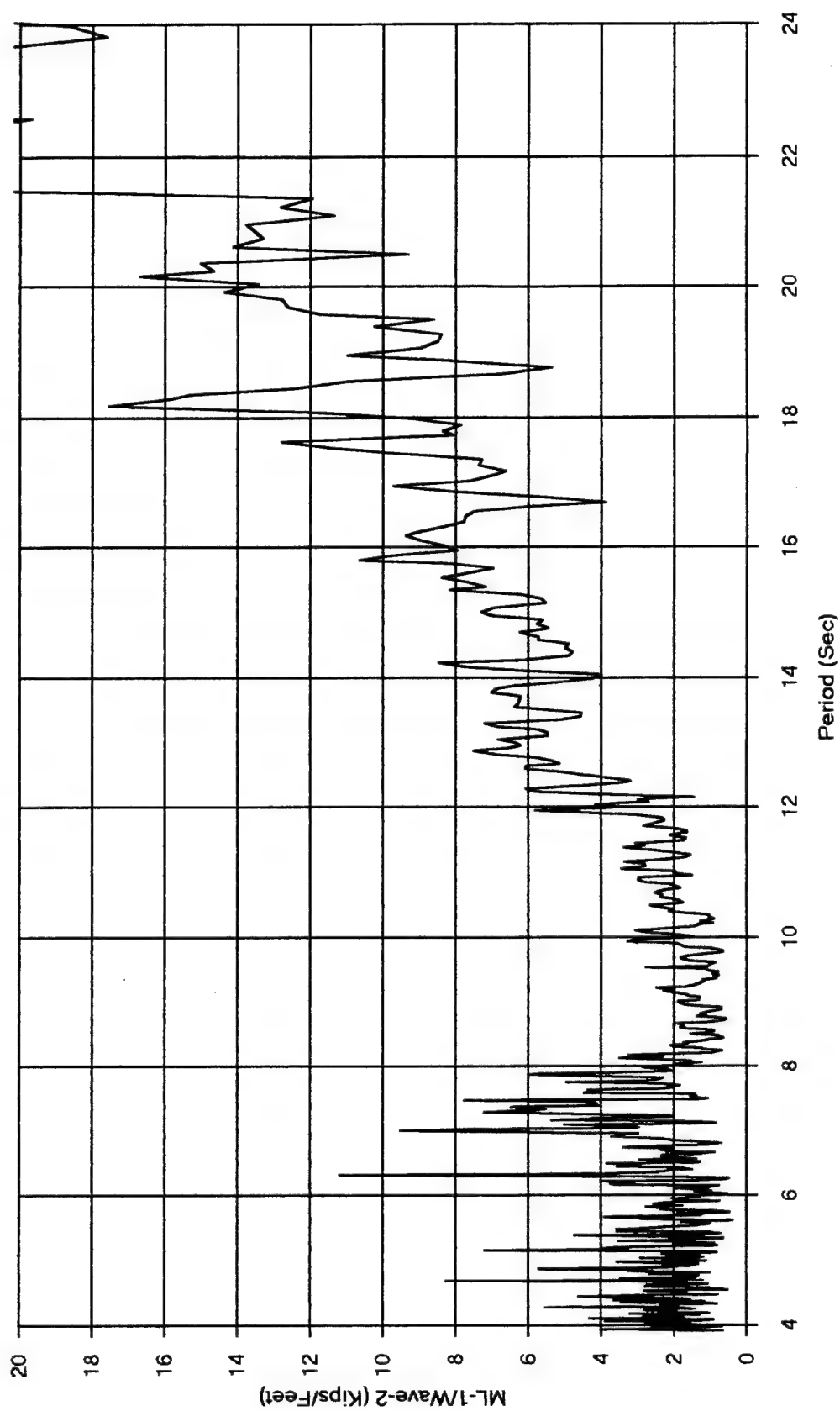
Test A557 - PITCH RAO



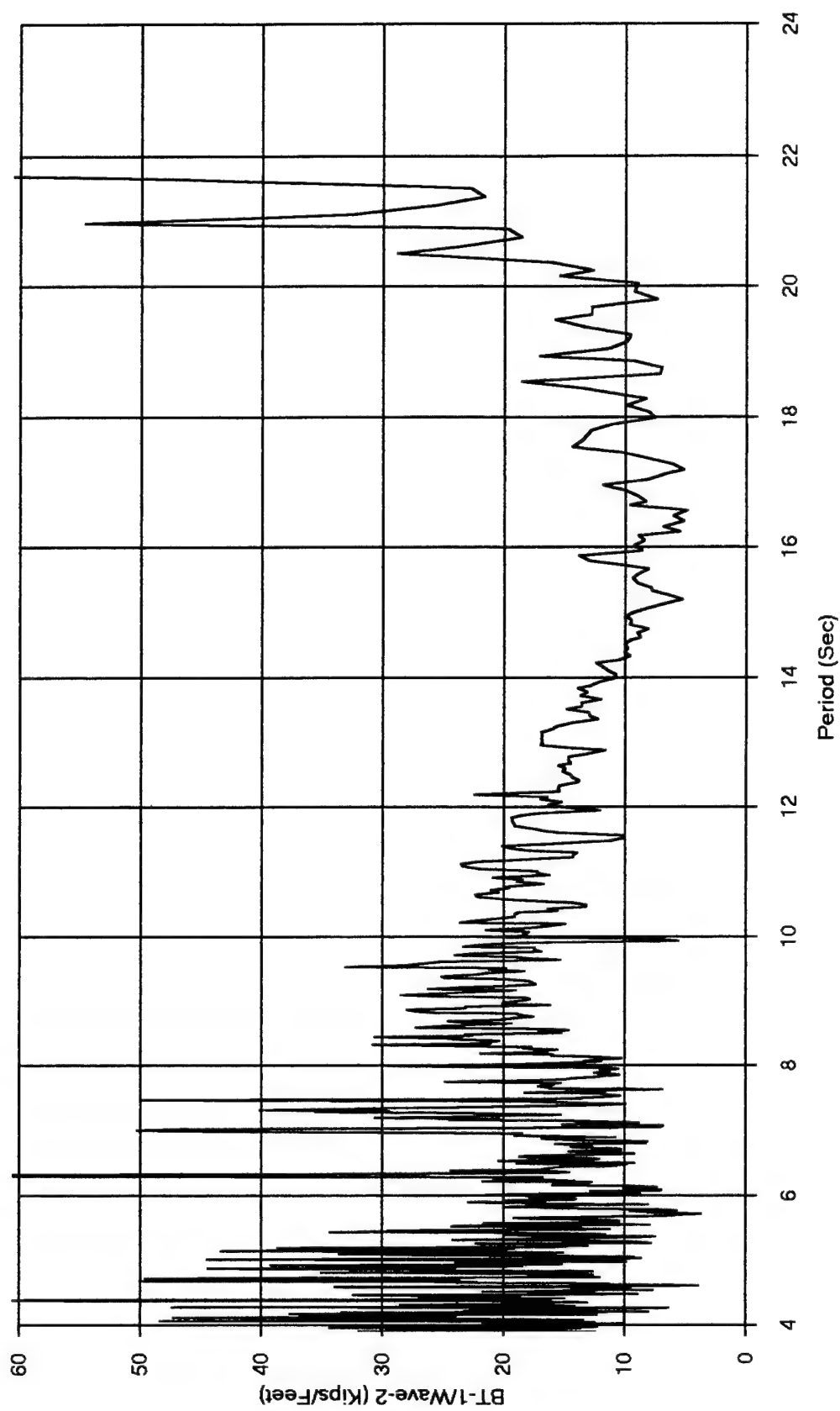
Test A557 - SURGE RAD



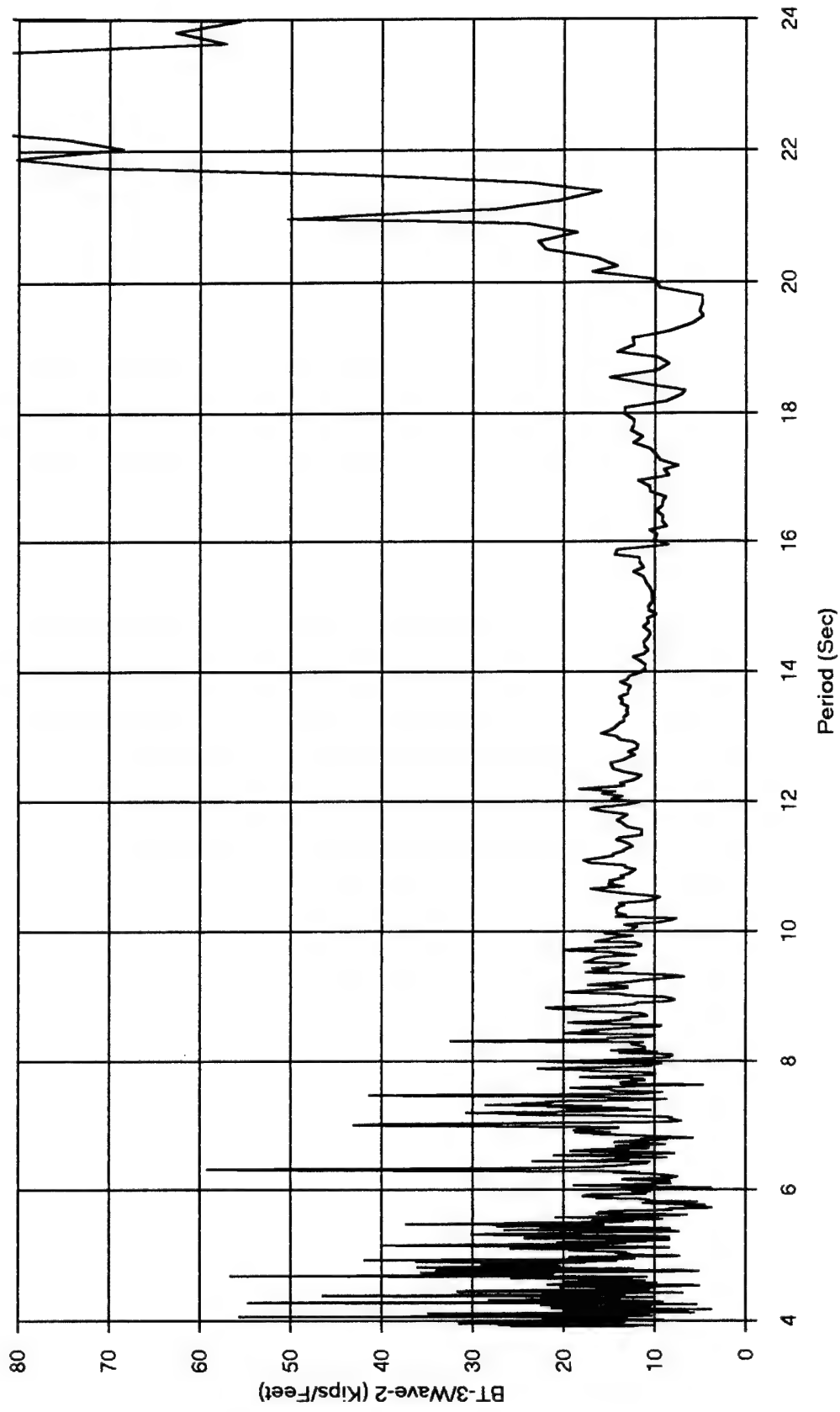
Test A557 - ML-1 RAD



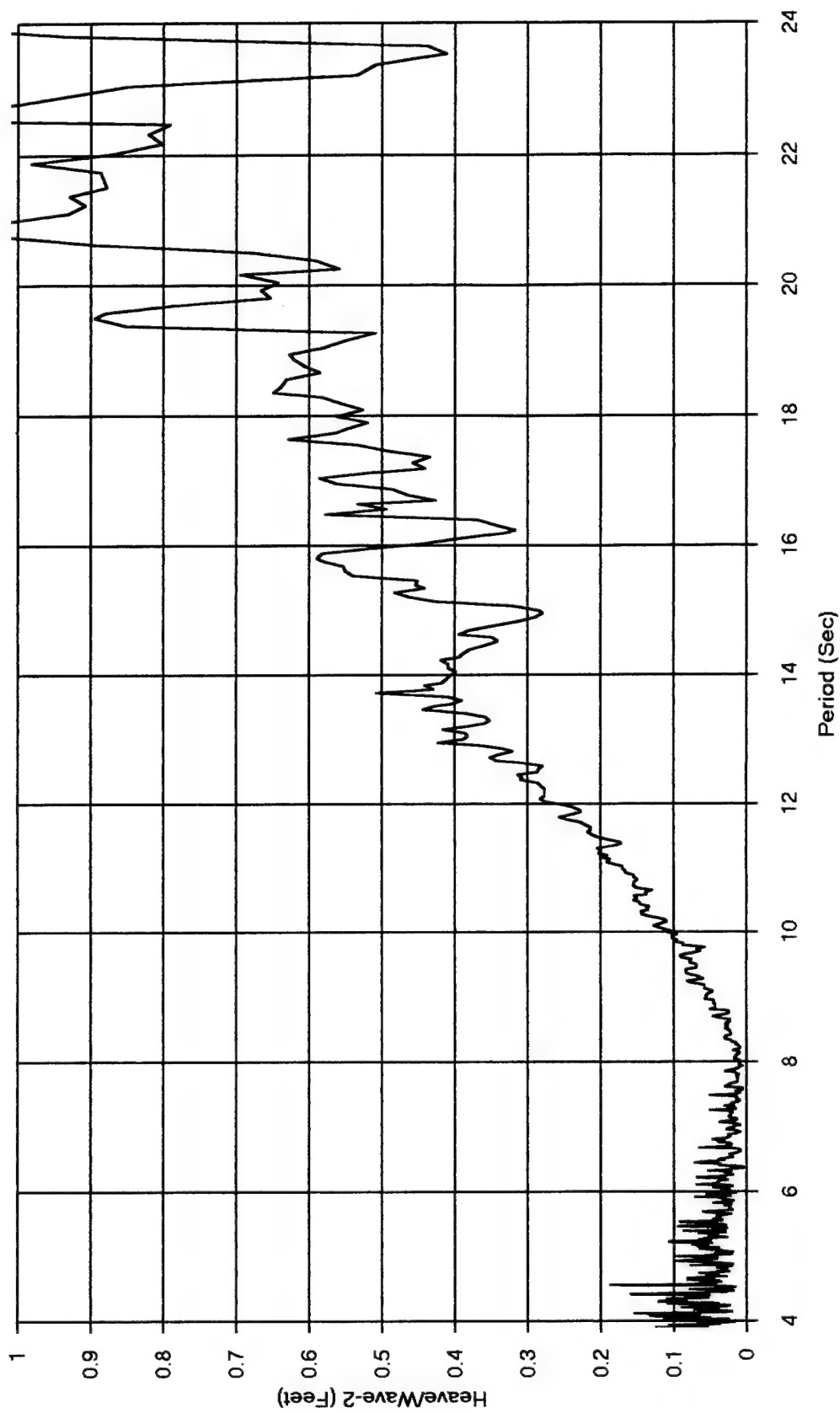
Test A557 - BT-1 RAO



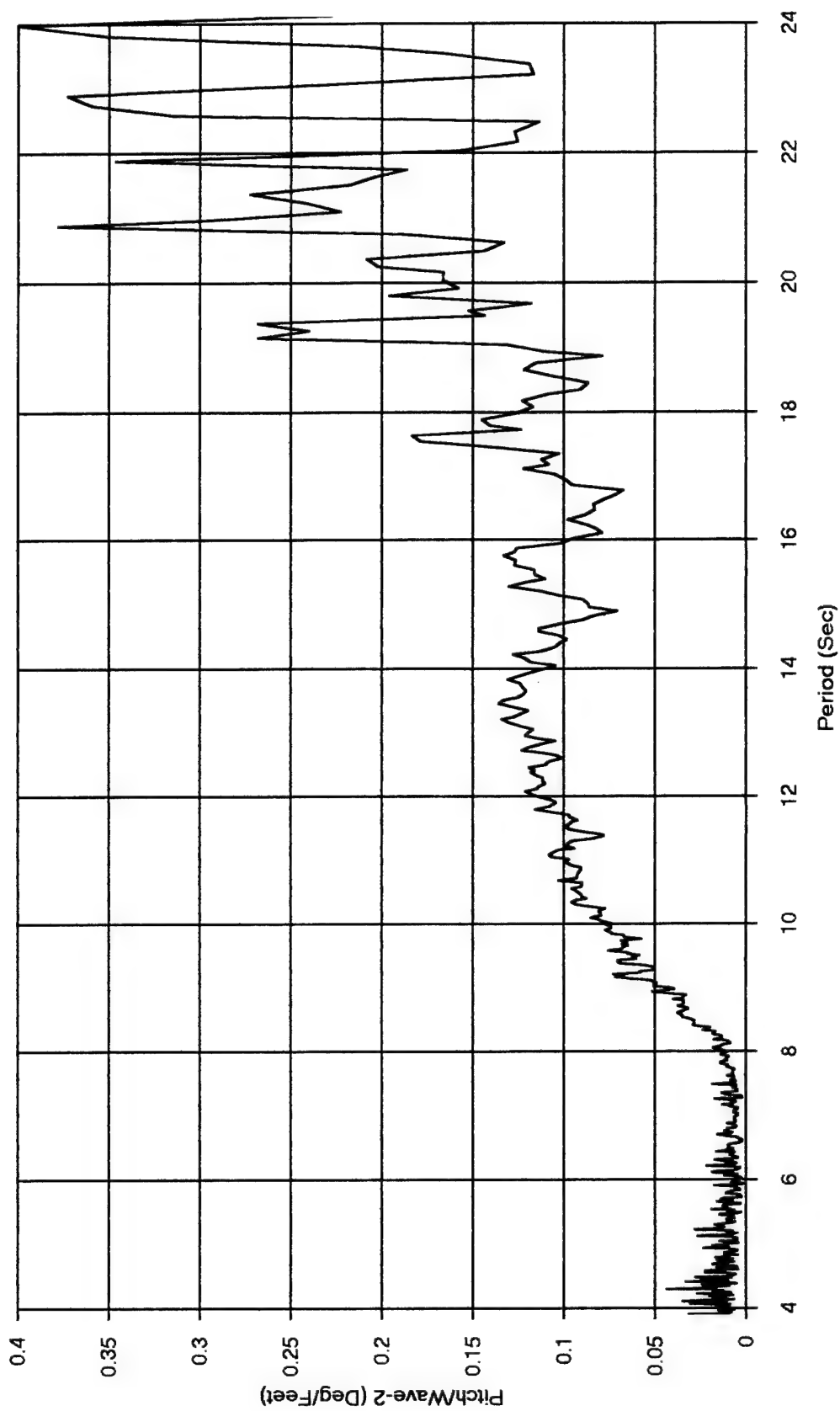
Test A557 - BT-3 RAD



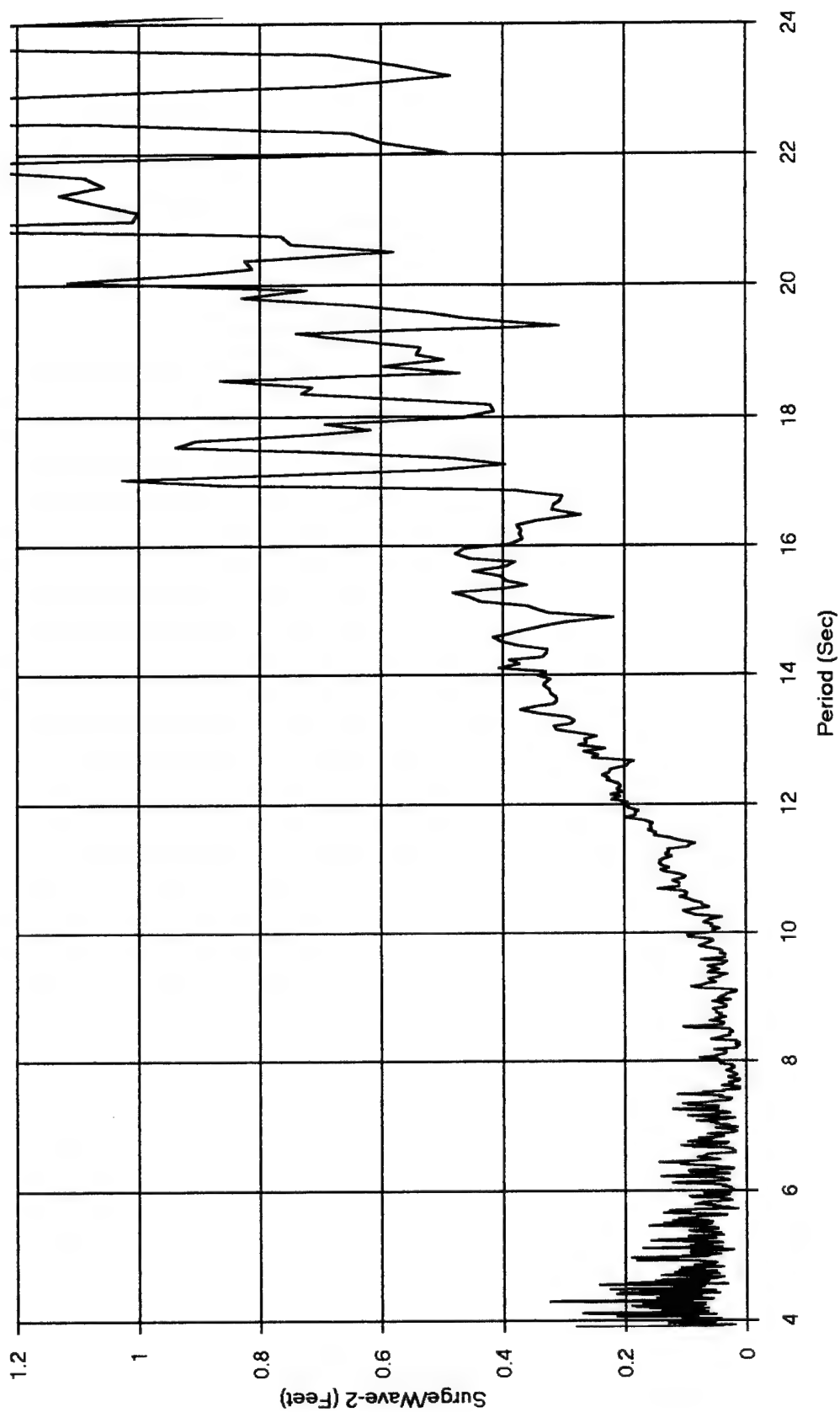
Test A586 - HEAVE RAO



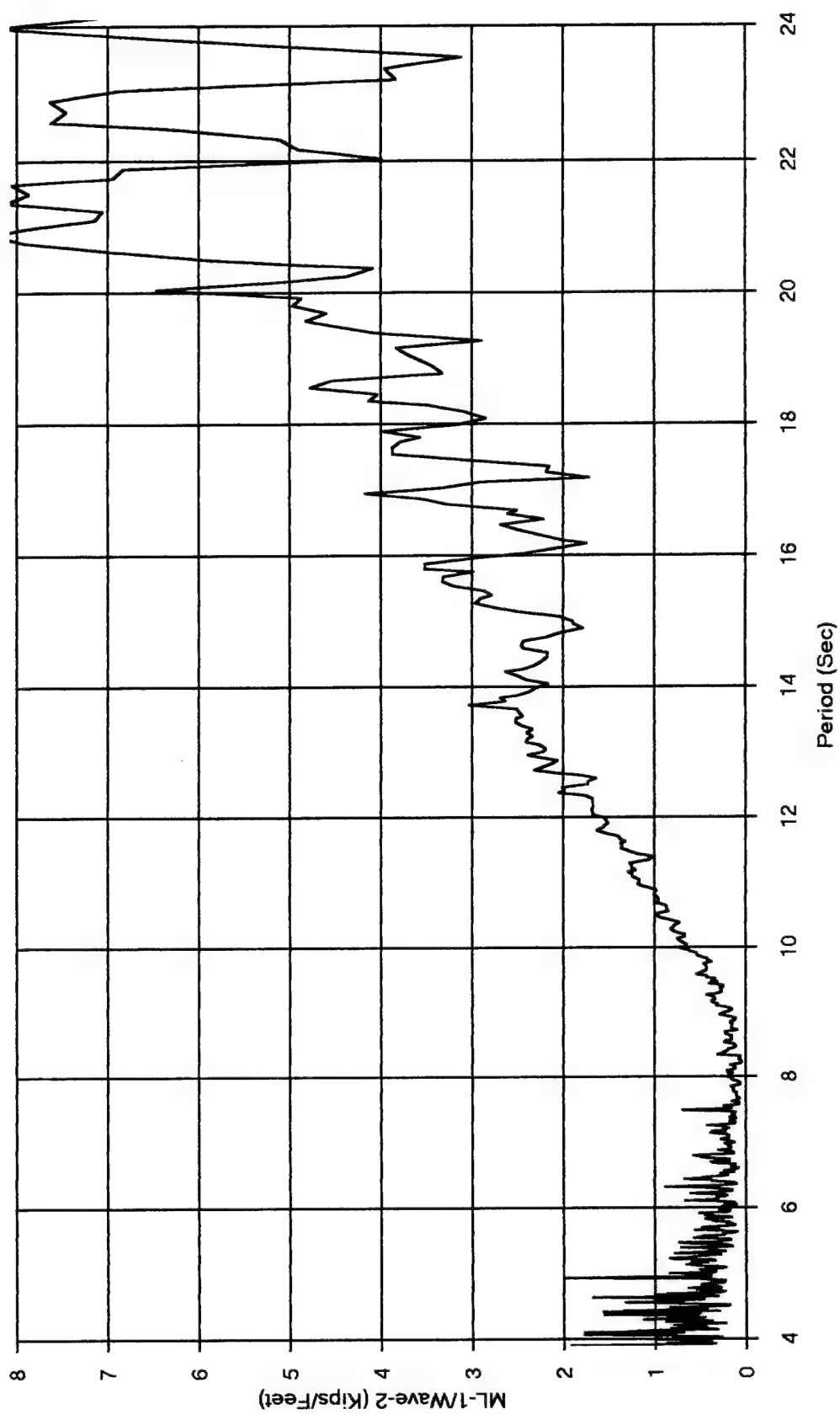
Test A586 - PITCH RAD



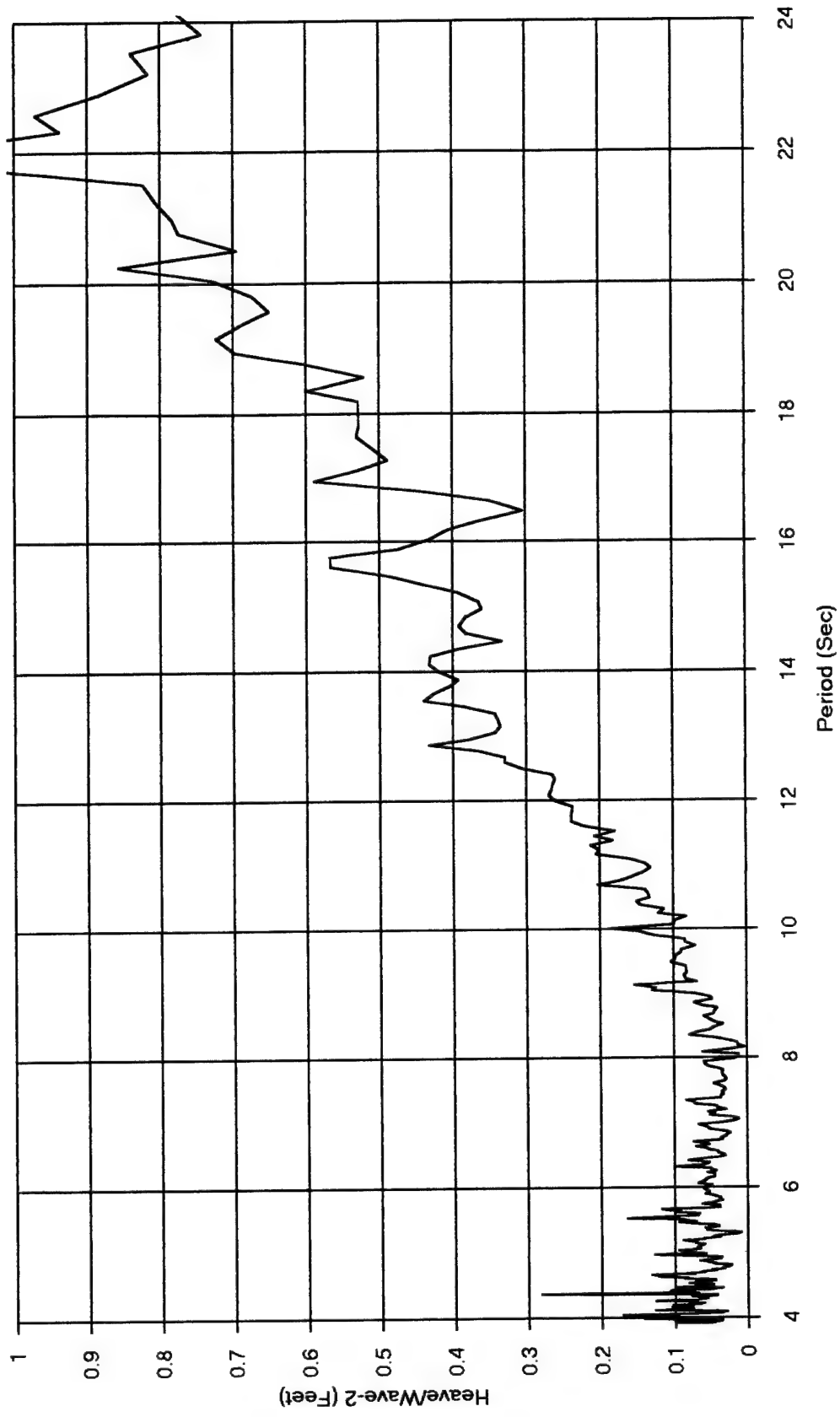
Test A586 - SURGE RAD



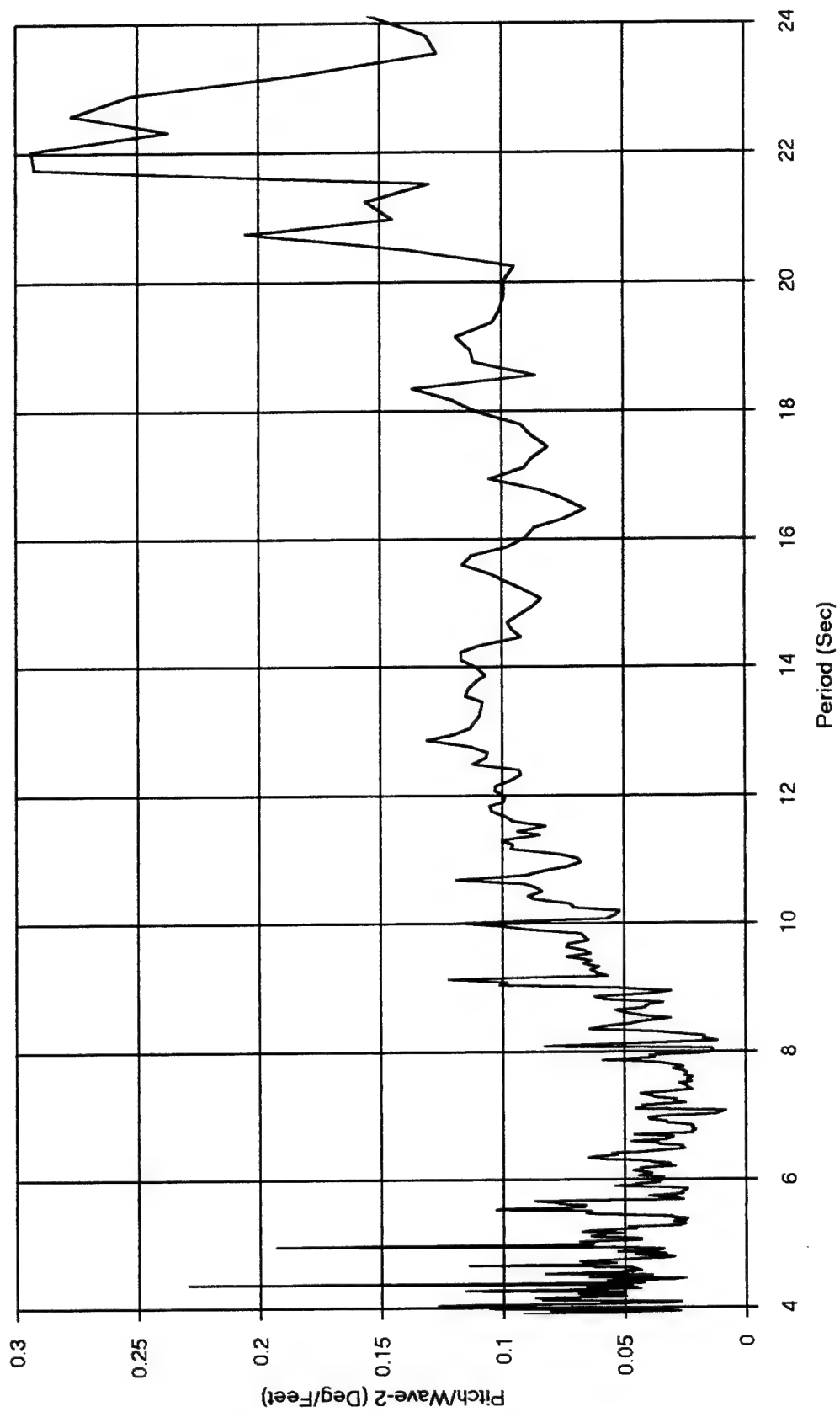
Test A586 - ML-1 RAO



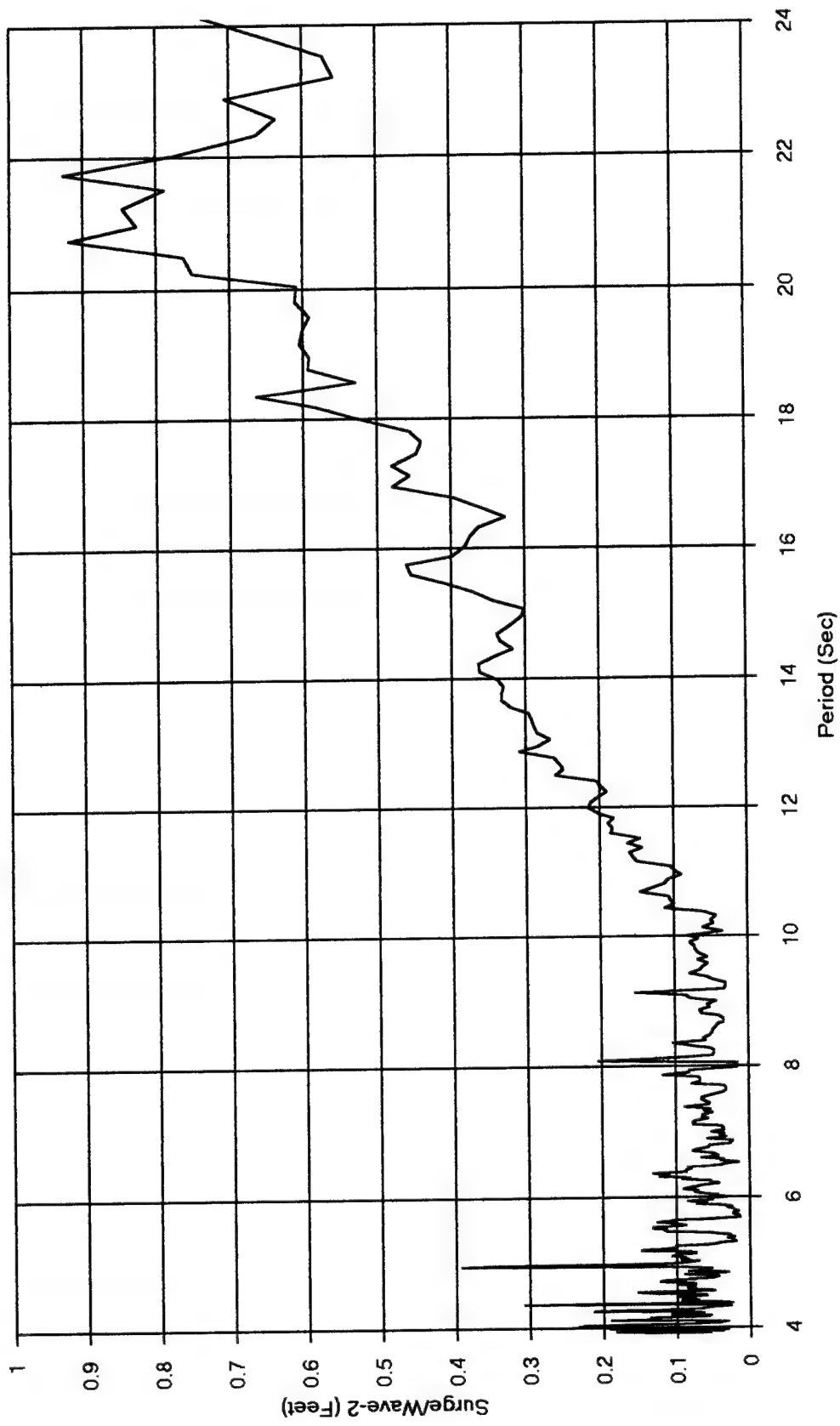
Test A587 - HEAVE RAD



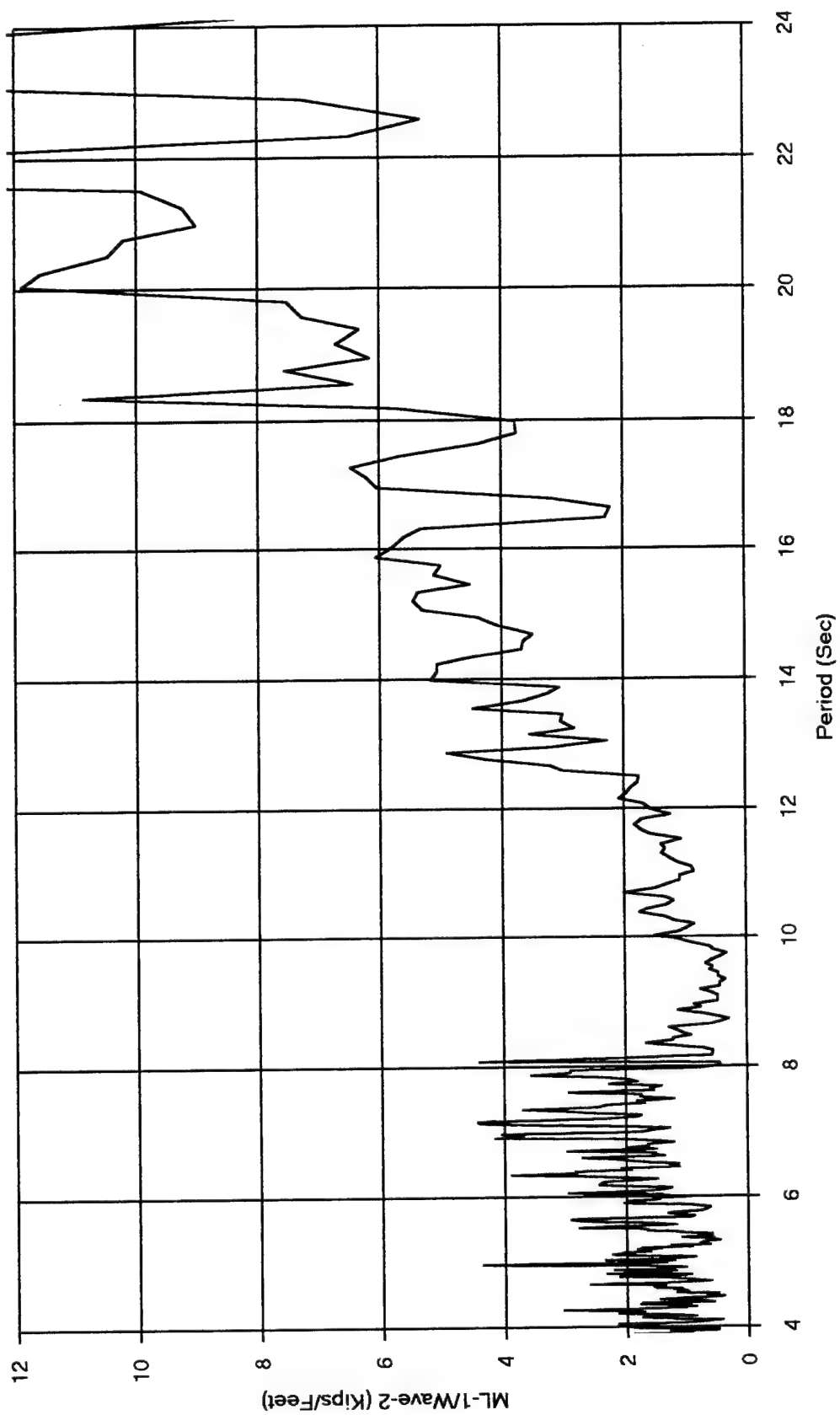
Test A587 - PITCH RAD



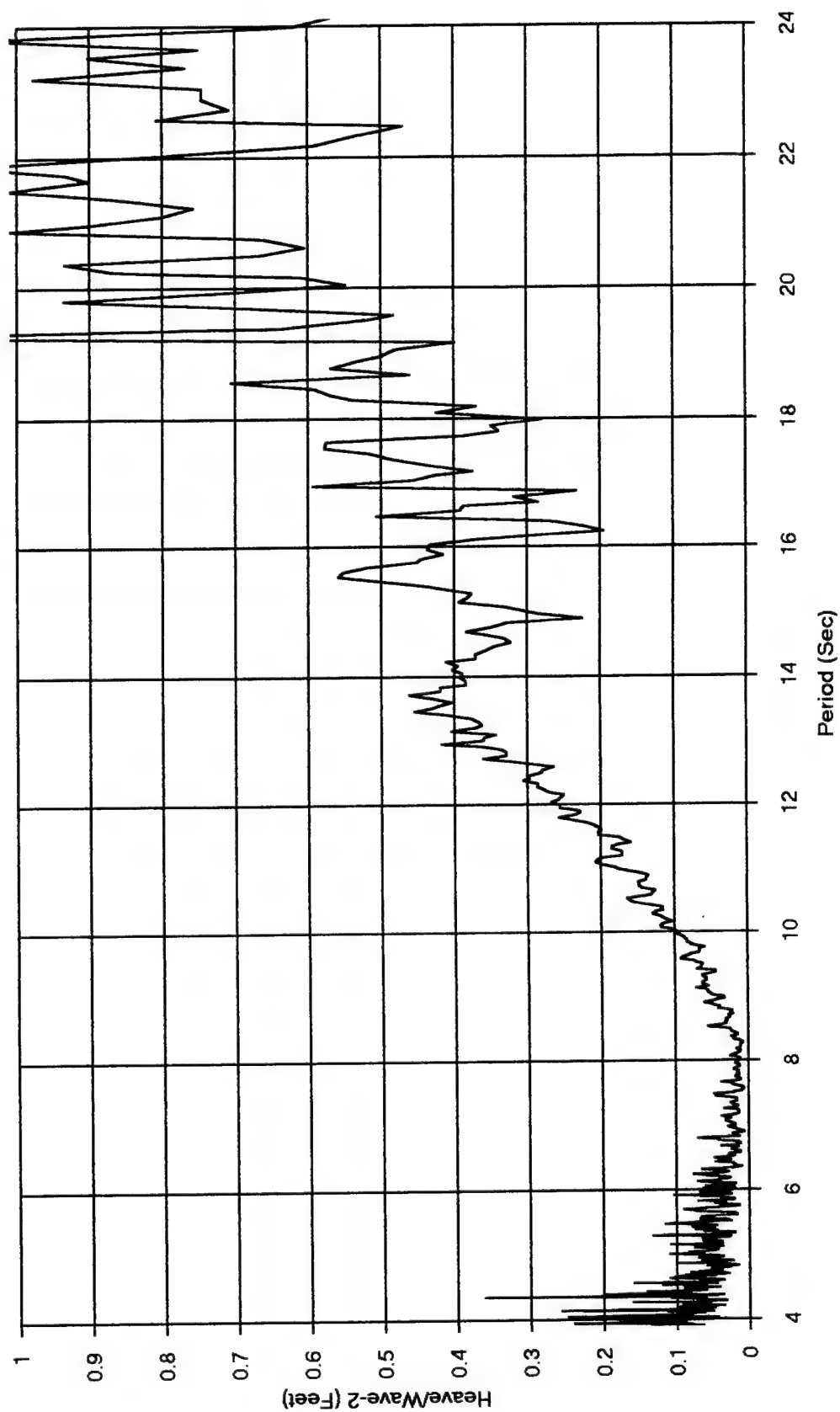
Test A587 - SURGE RAD



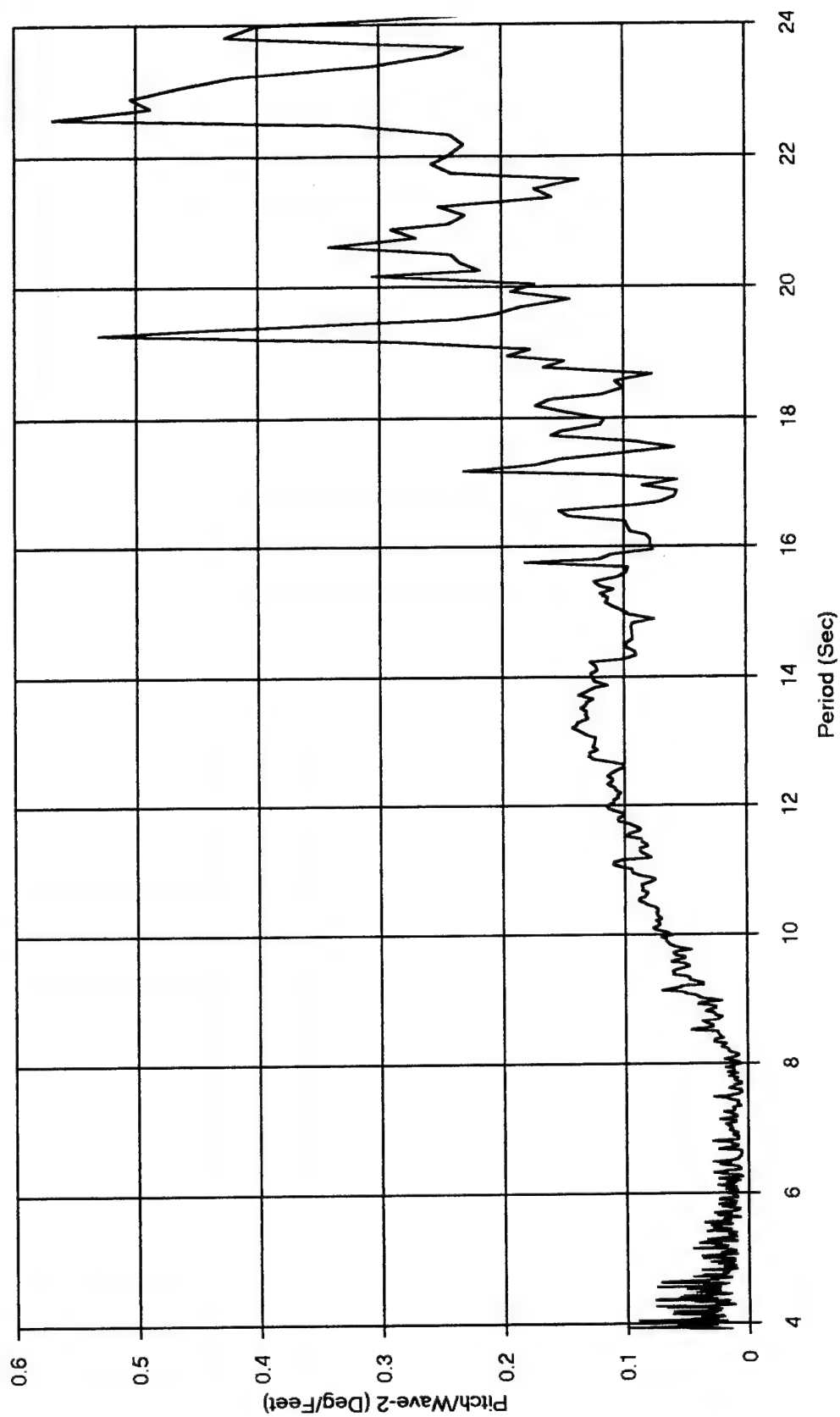
Test A587 - ML-1 RAD



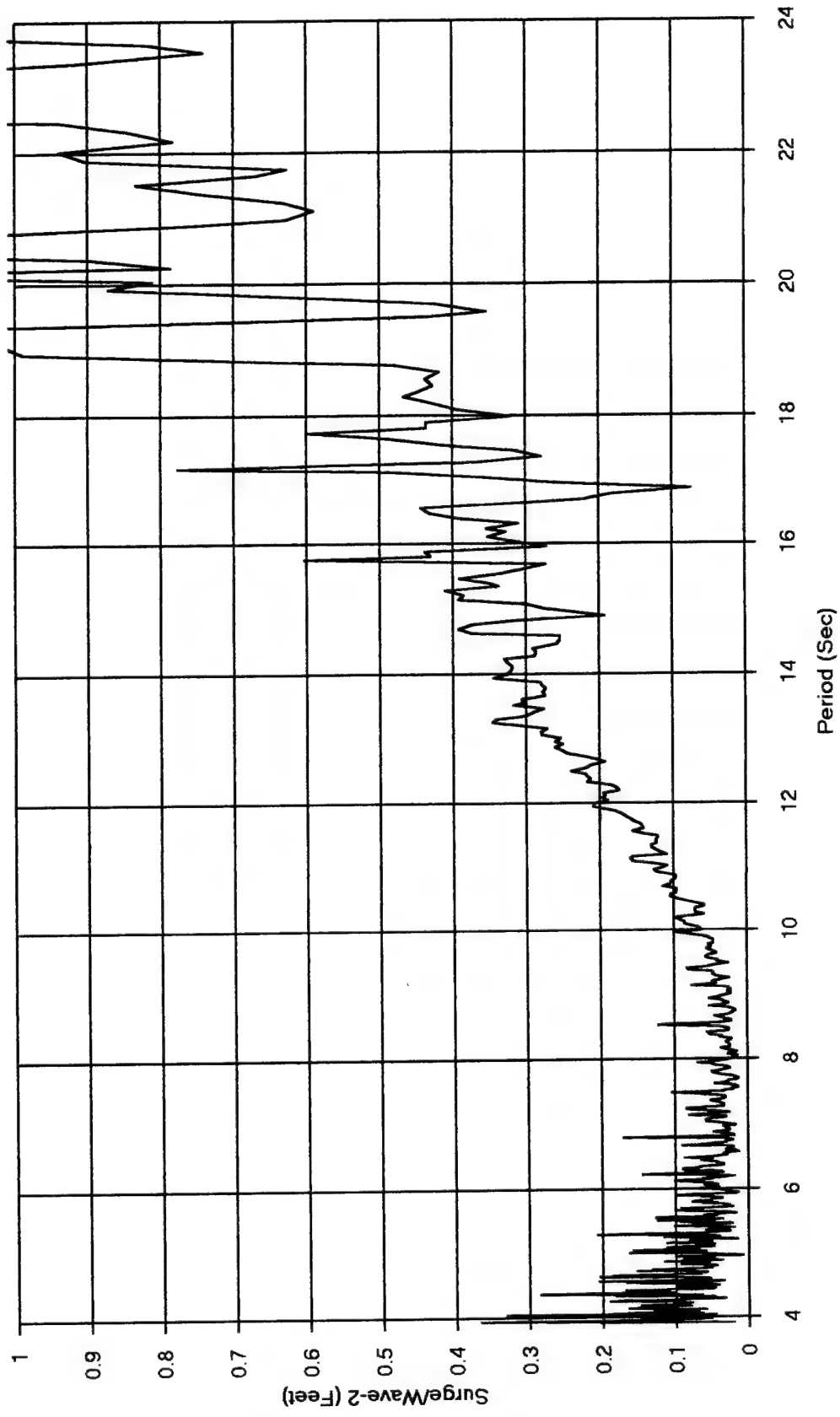
Test A598 - HEAVE RAD



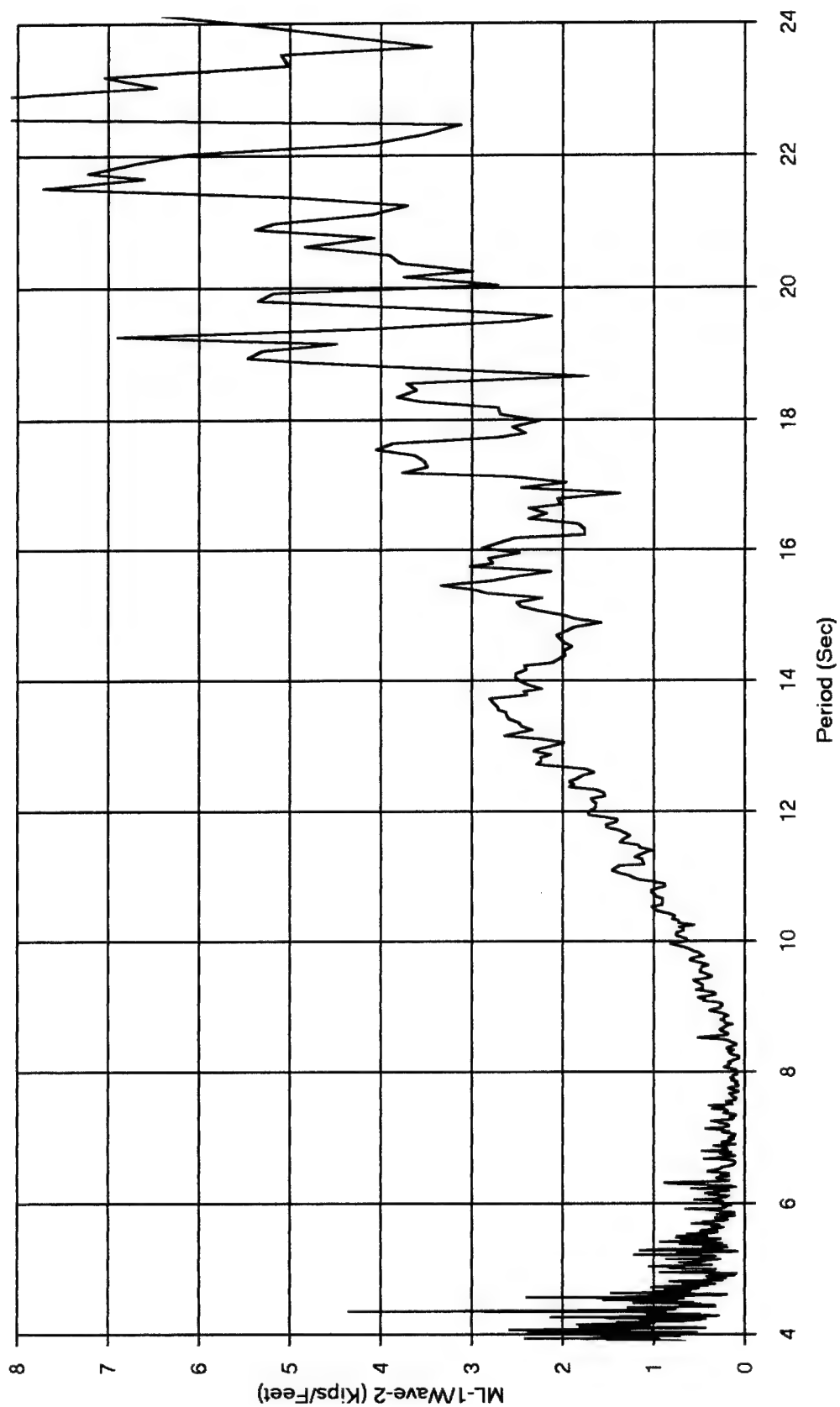
Test A598 - PITCH RAO



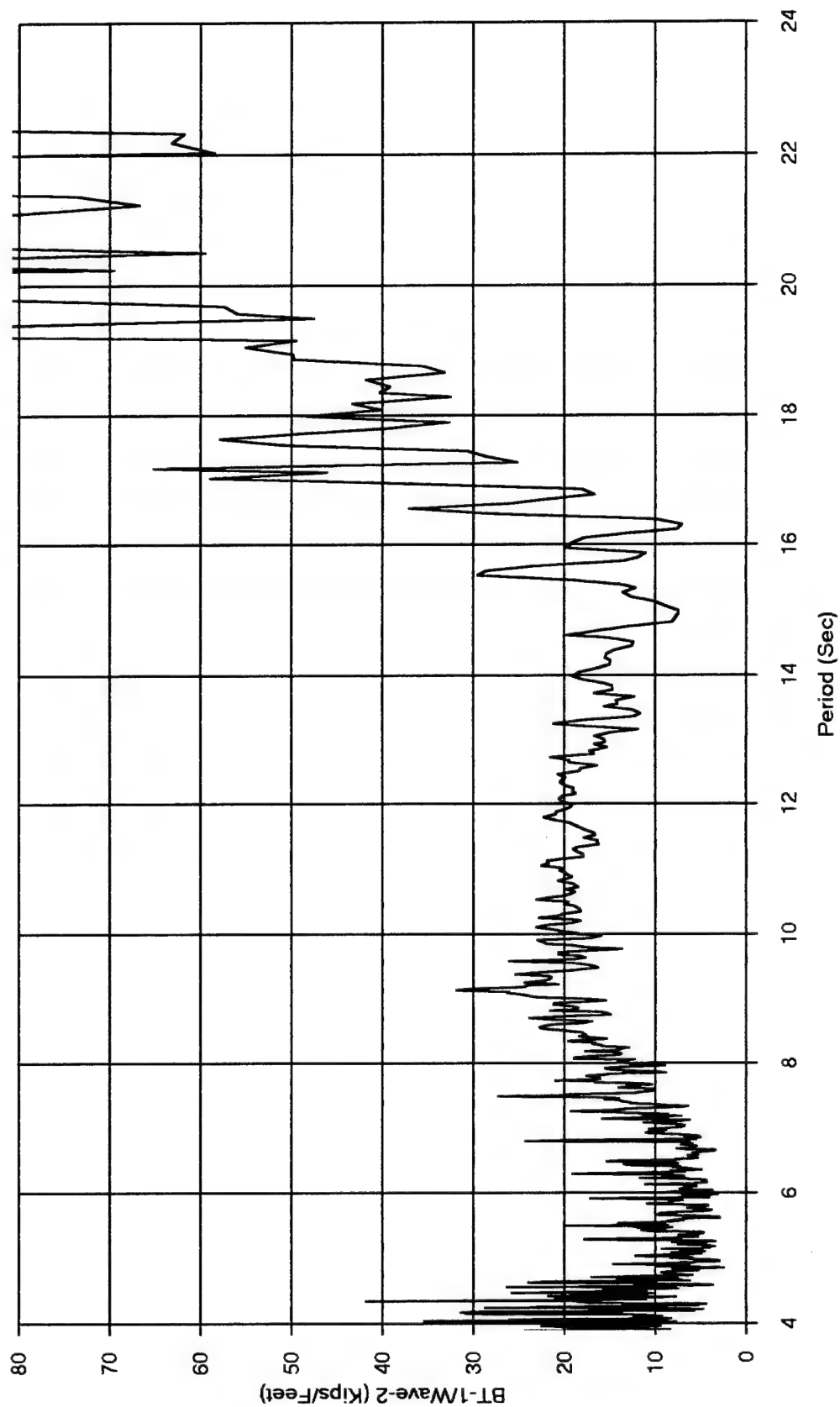
Test A598 - SURGE RAO



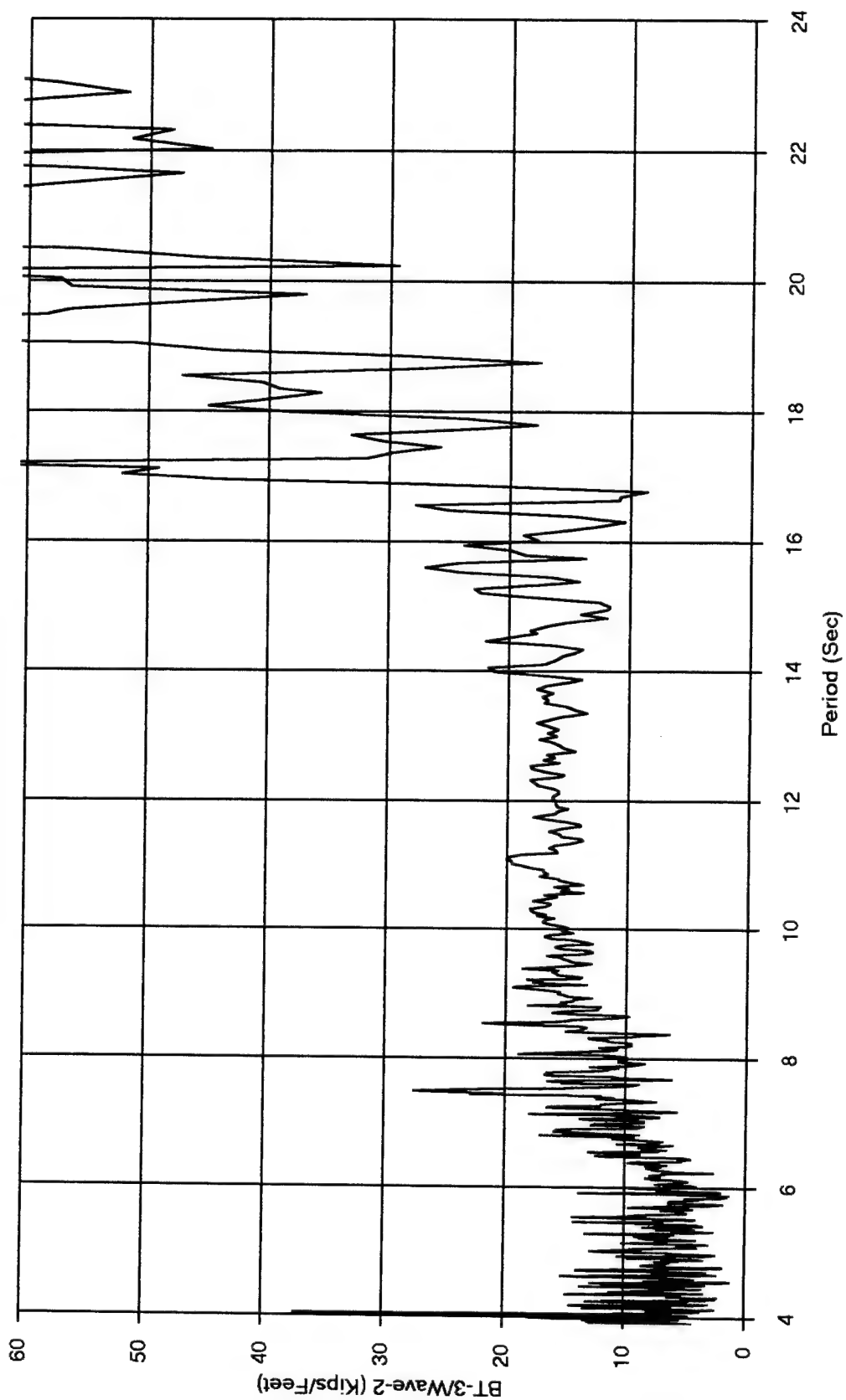
Test A598 - ML-1 RAO



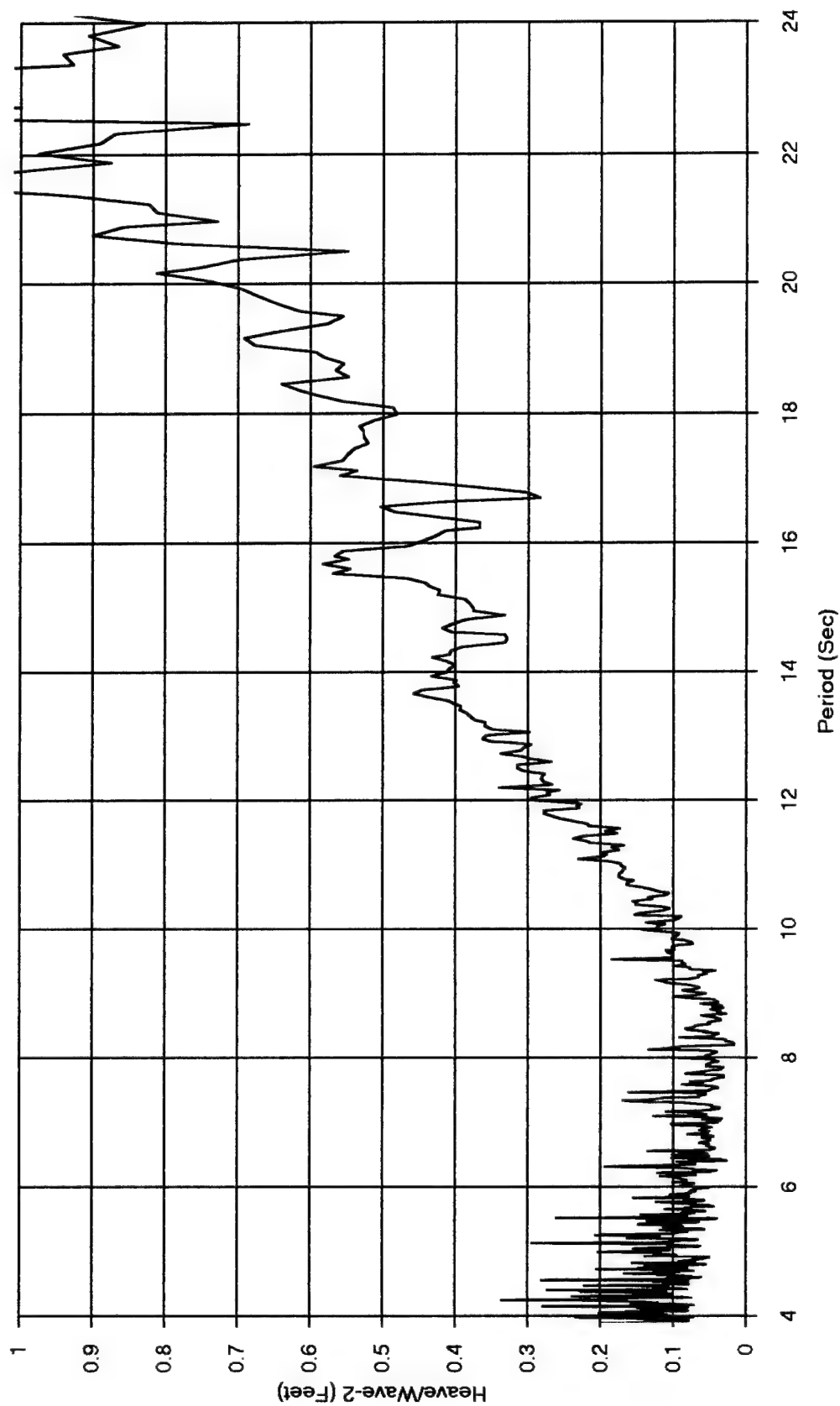
Test A598 - BT-1 RAO



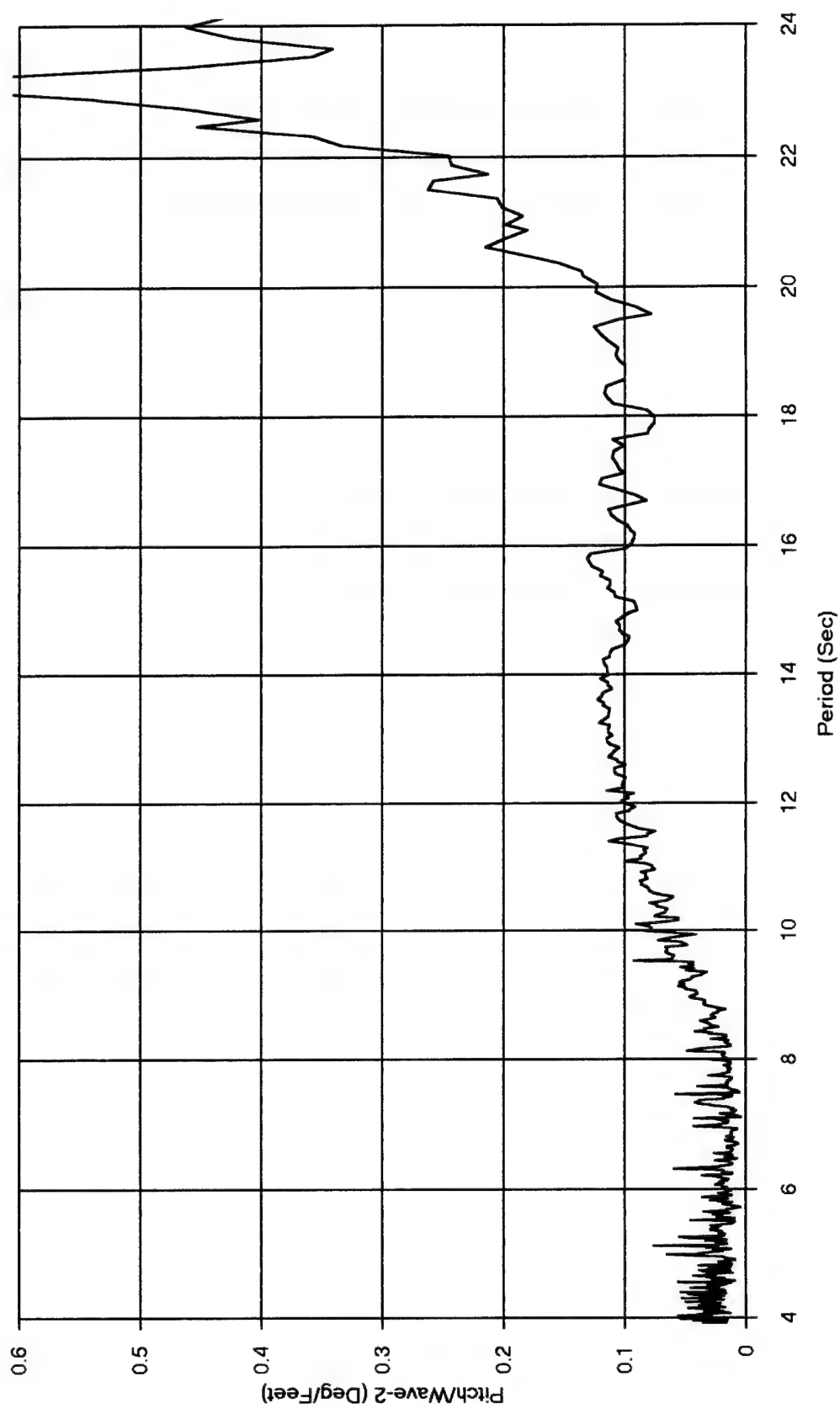
Test A598 - BT-3 RAO



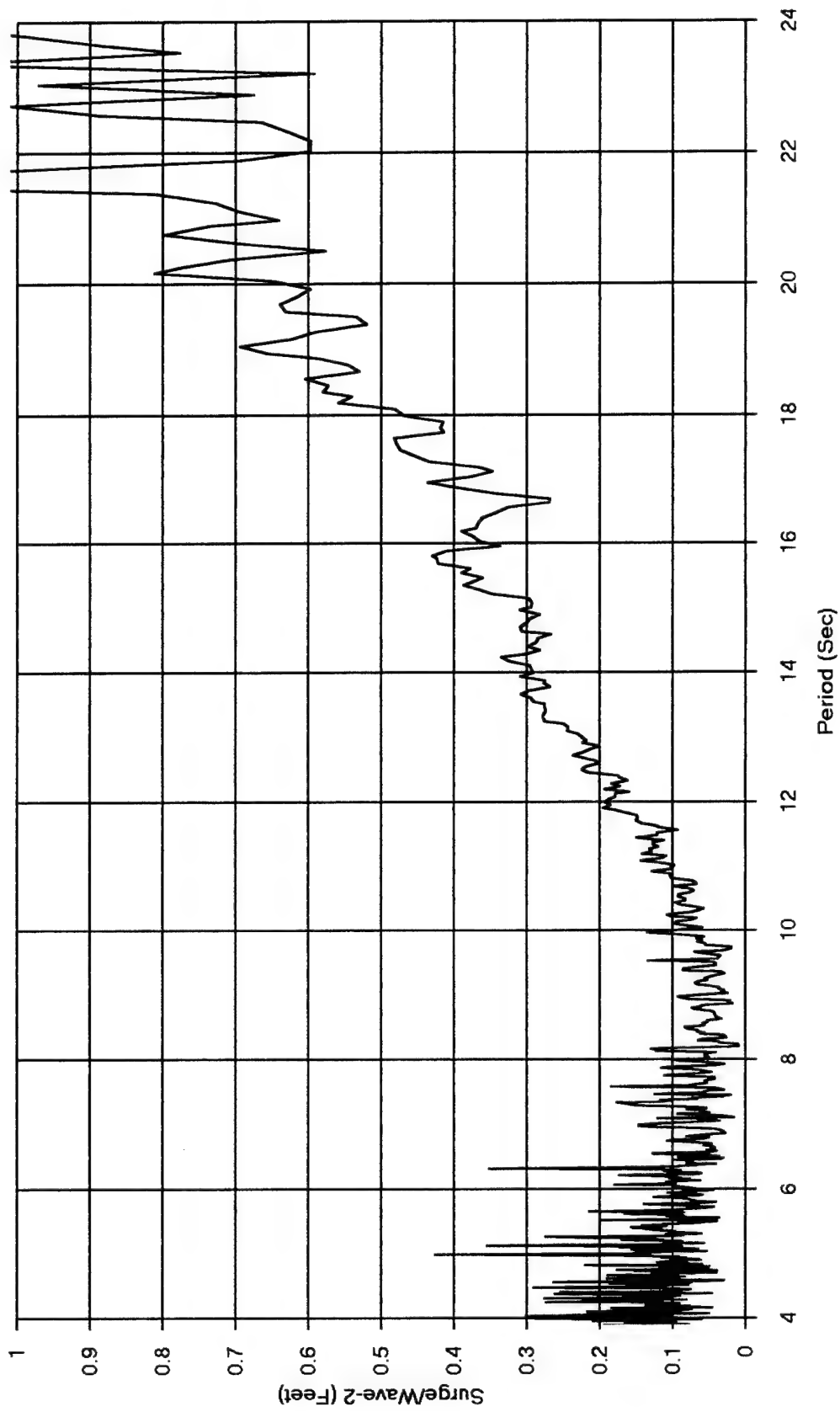
Test A599 - HEAVE RAD



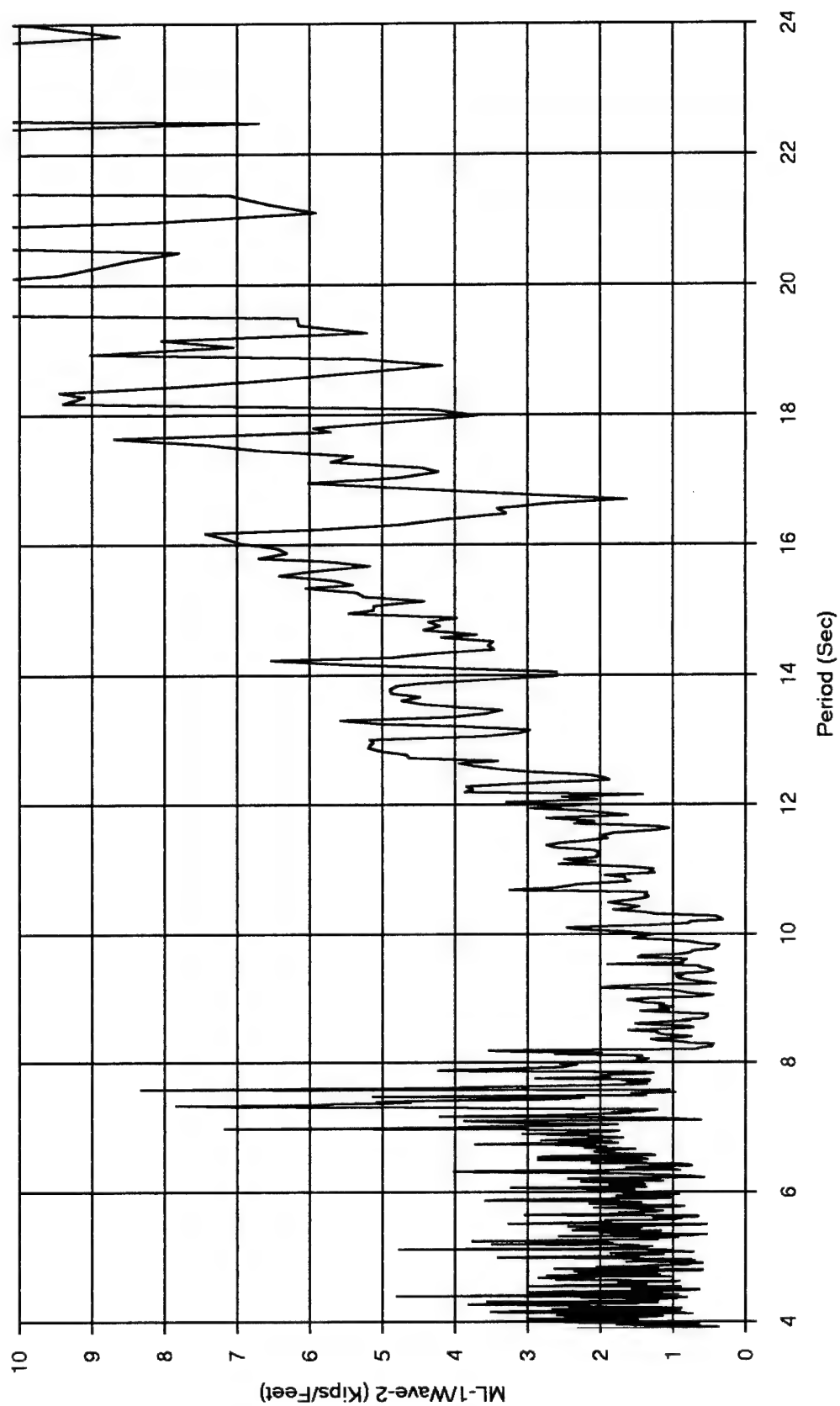
Test A599 - PITCH RAO



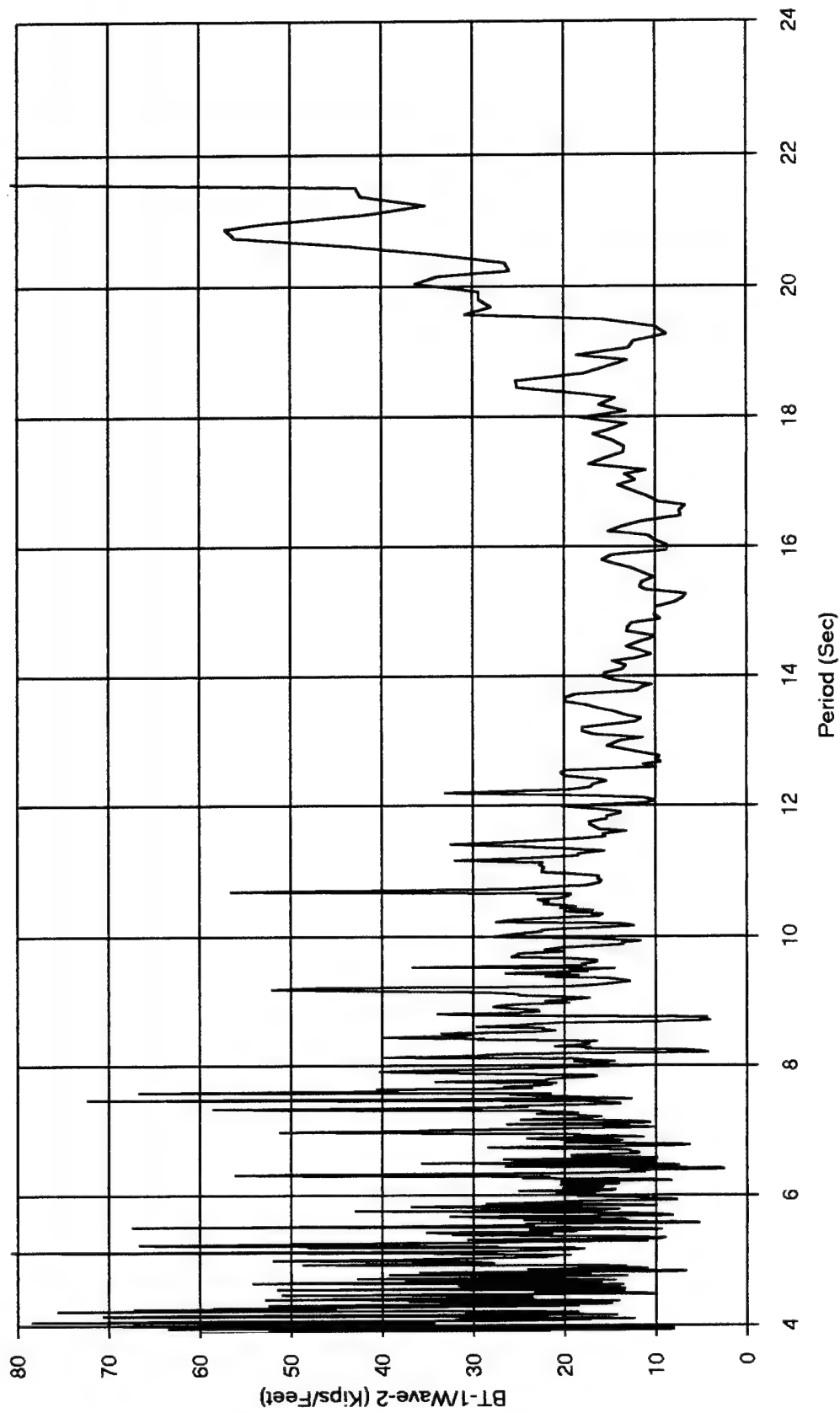
Test A599 - SURGE RAO



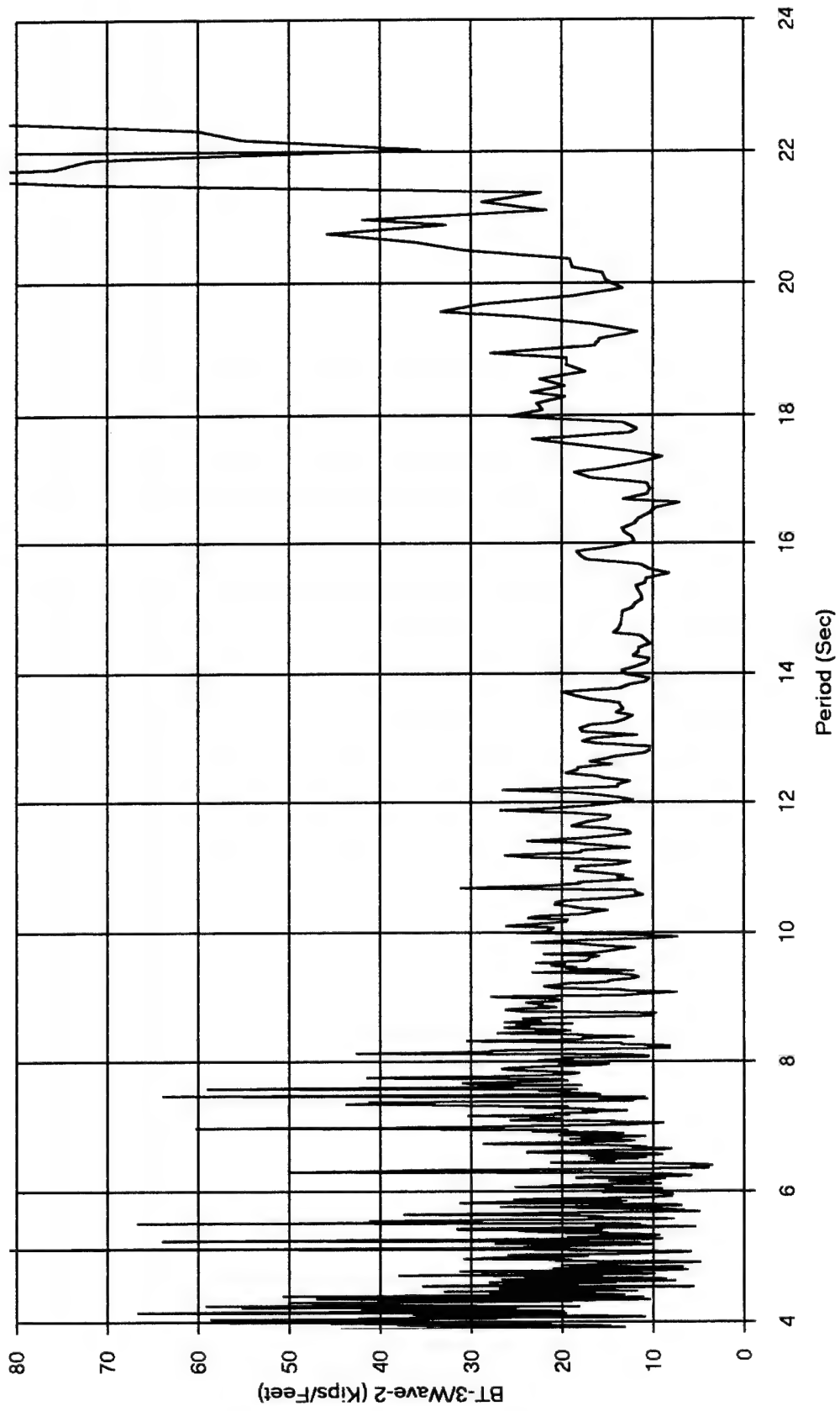
Test A599 - ML-1 RAO



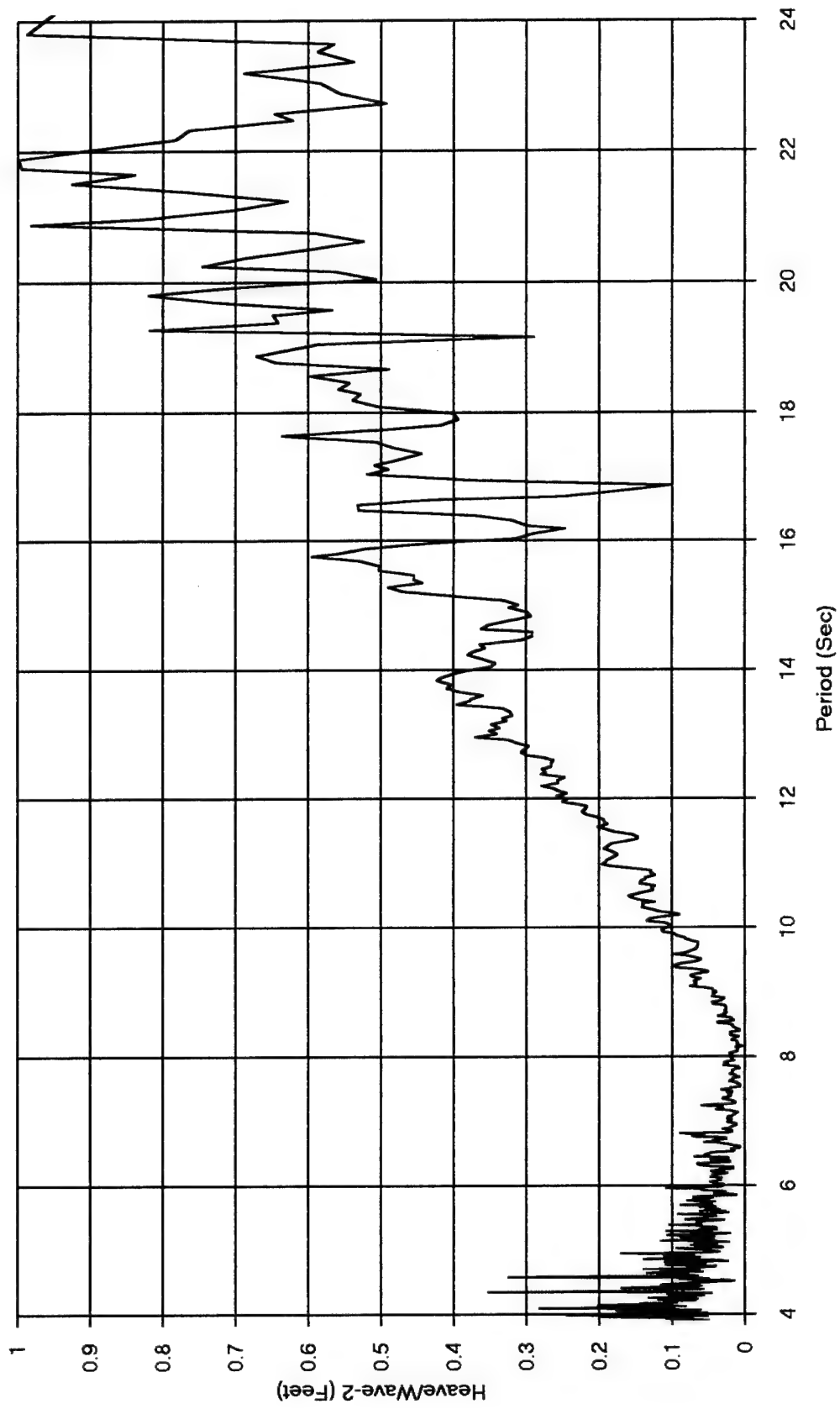
Test A599 - BT-1 RAO



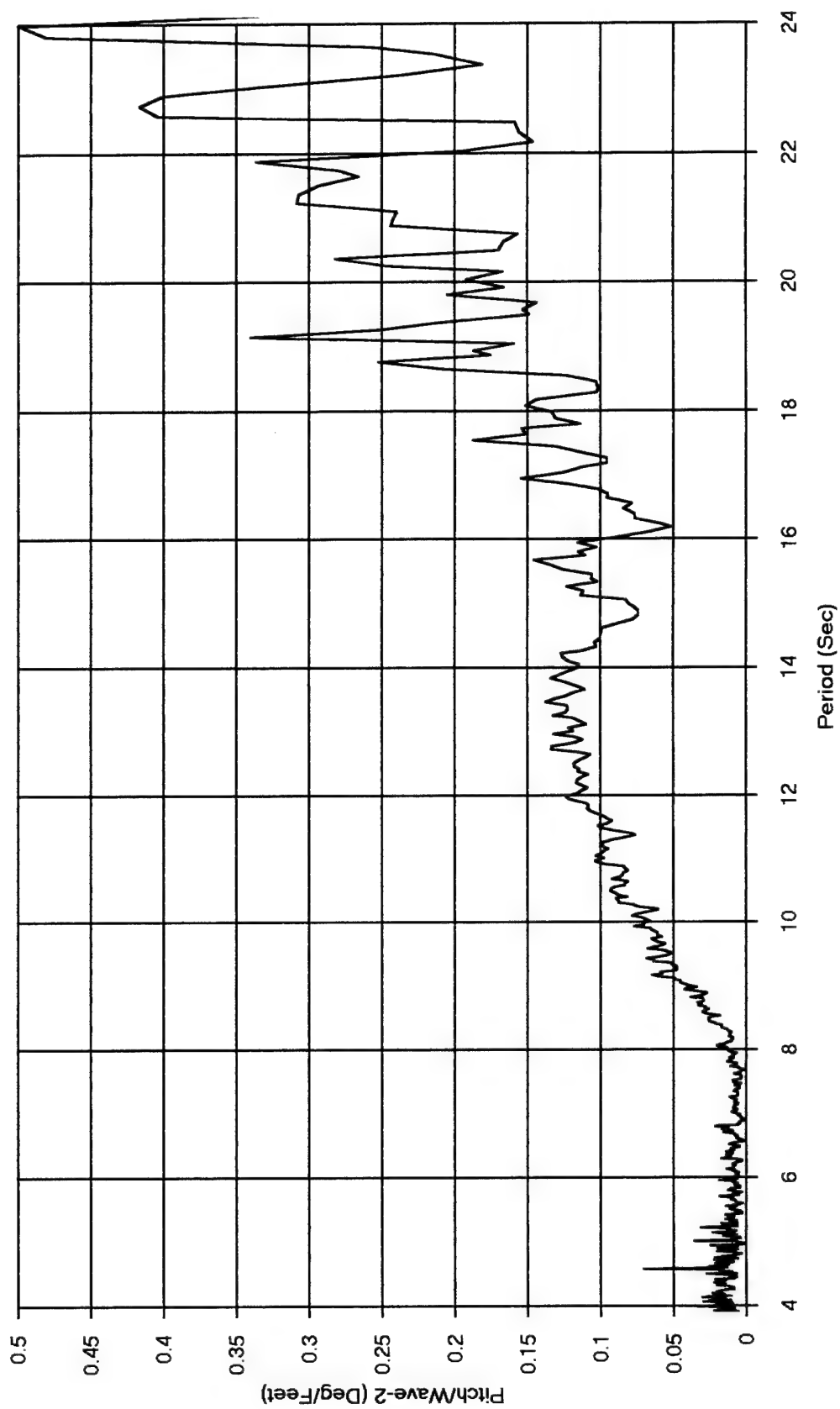
Test A599 - BT-3 RAD



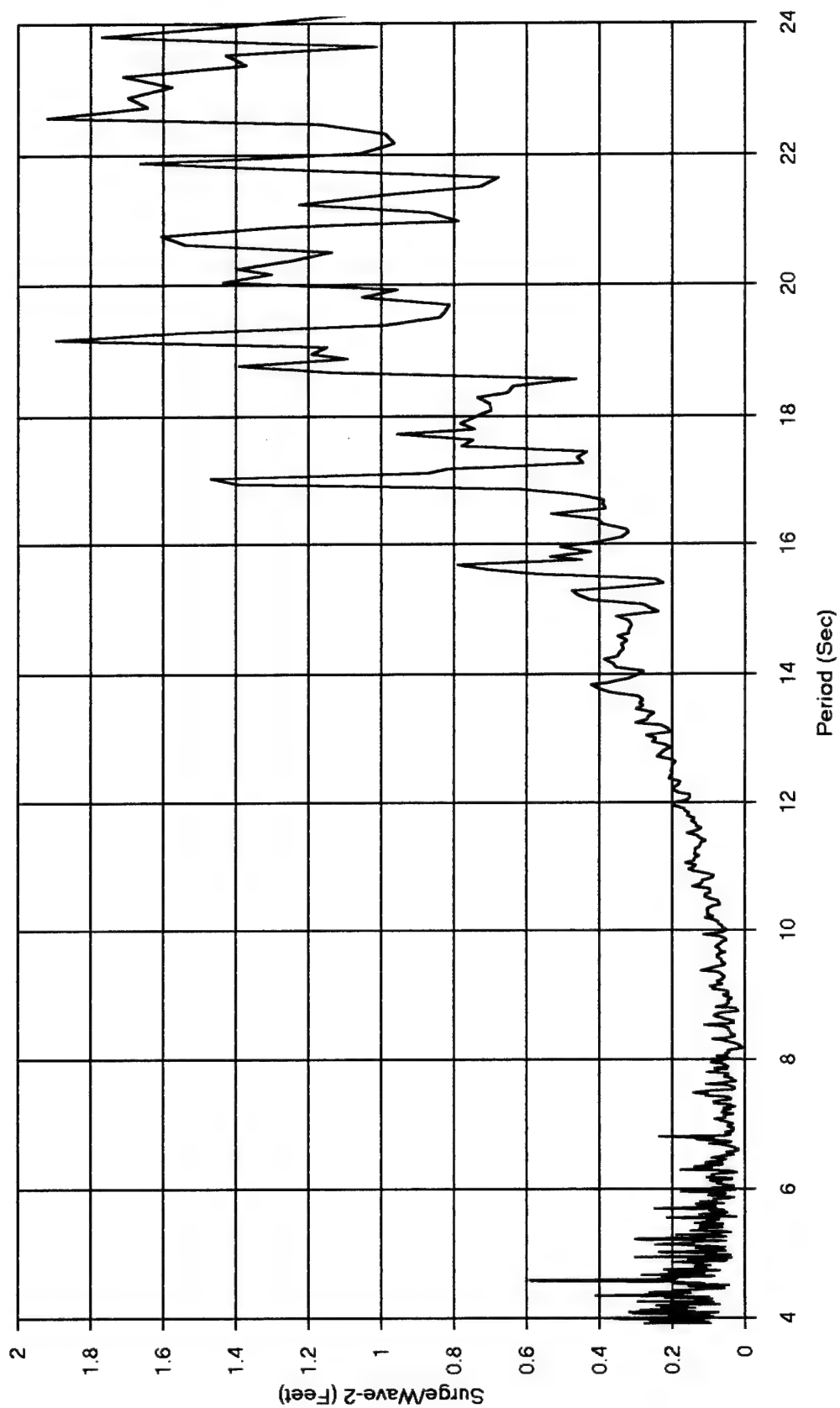
Test A608 - HEAVE RAD



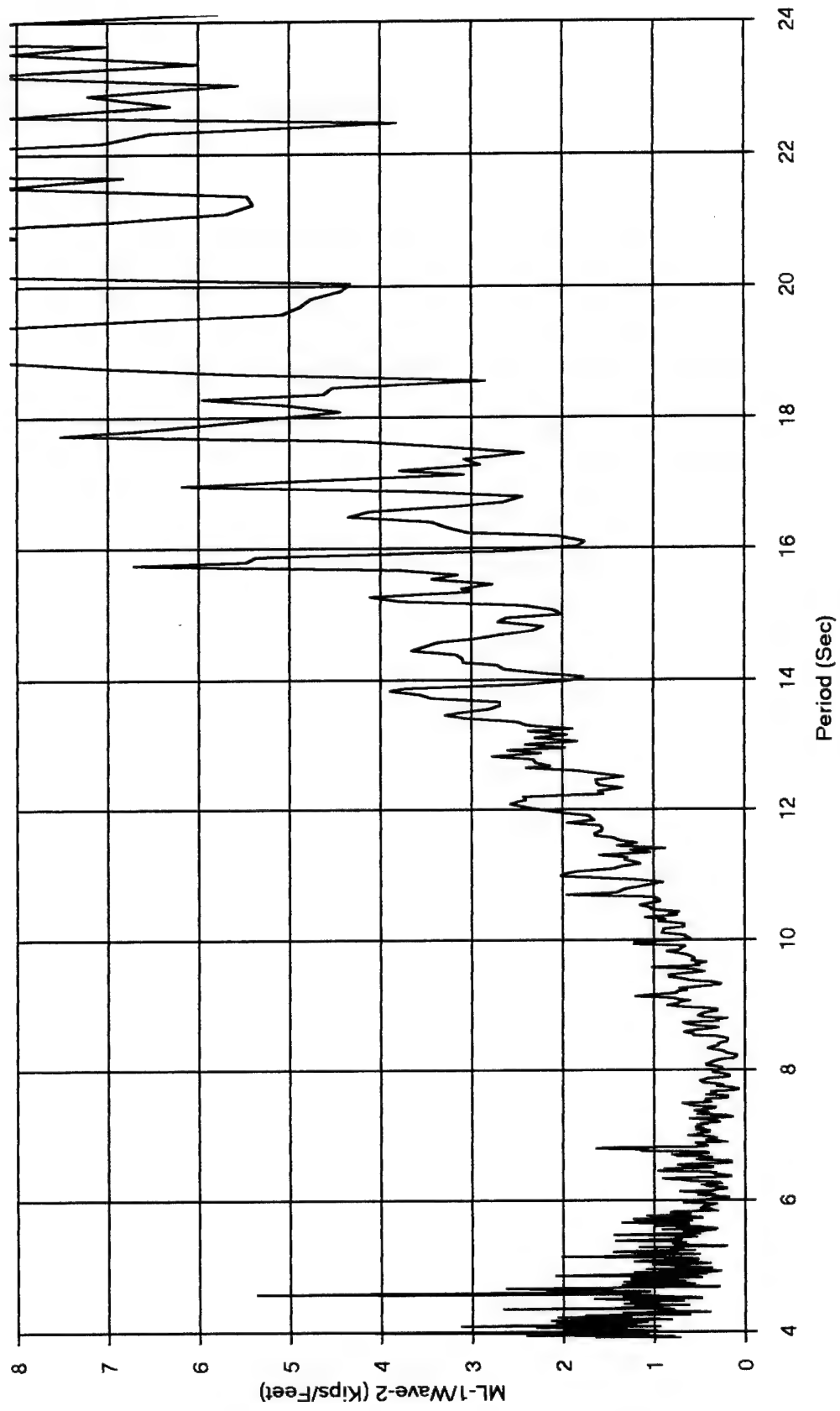
Test A608 - PITCH RAO



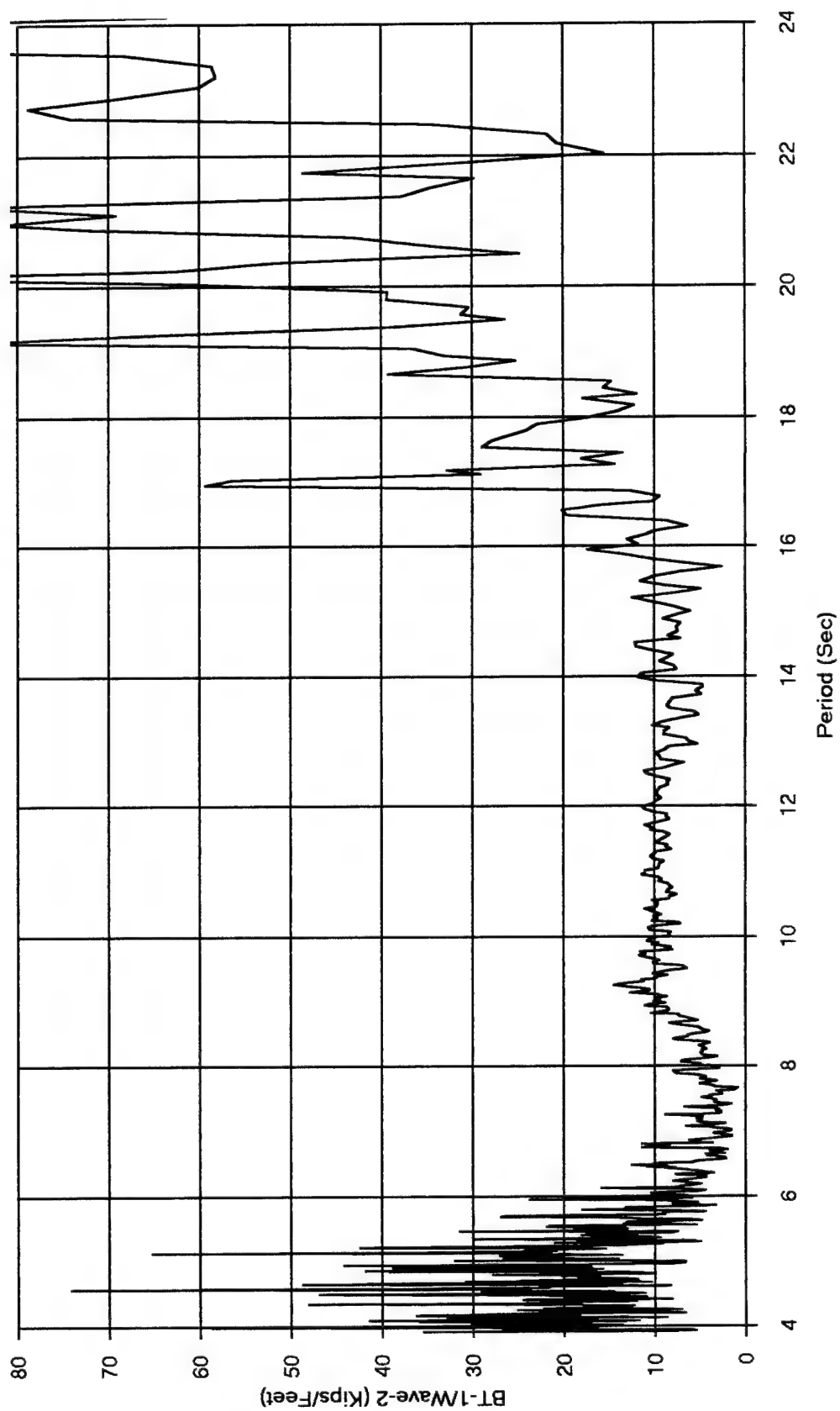
Test A608 - SURGE RAO



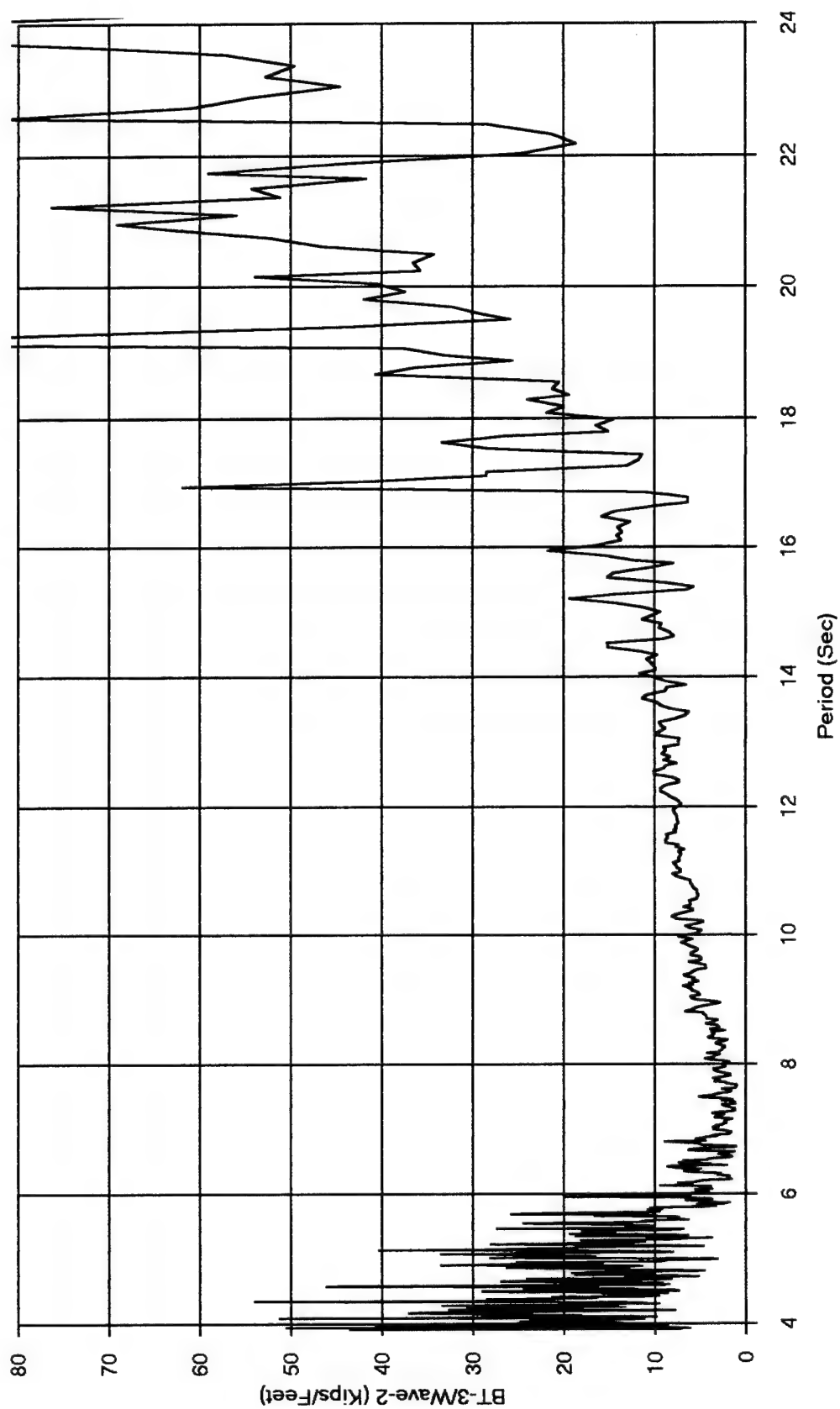
Test A608 - ML-1 RAO



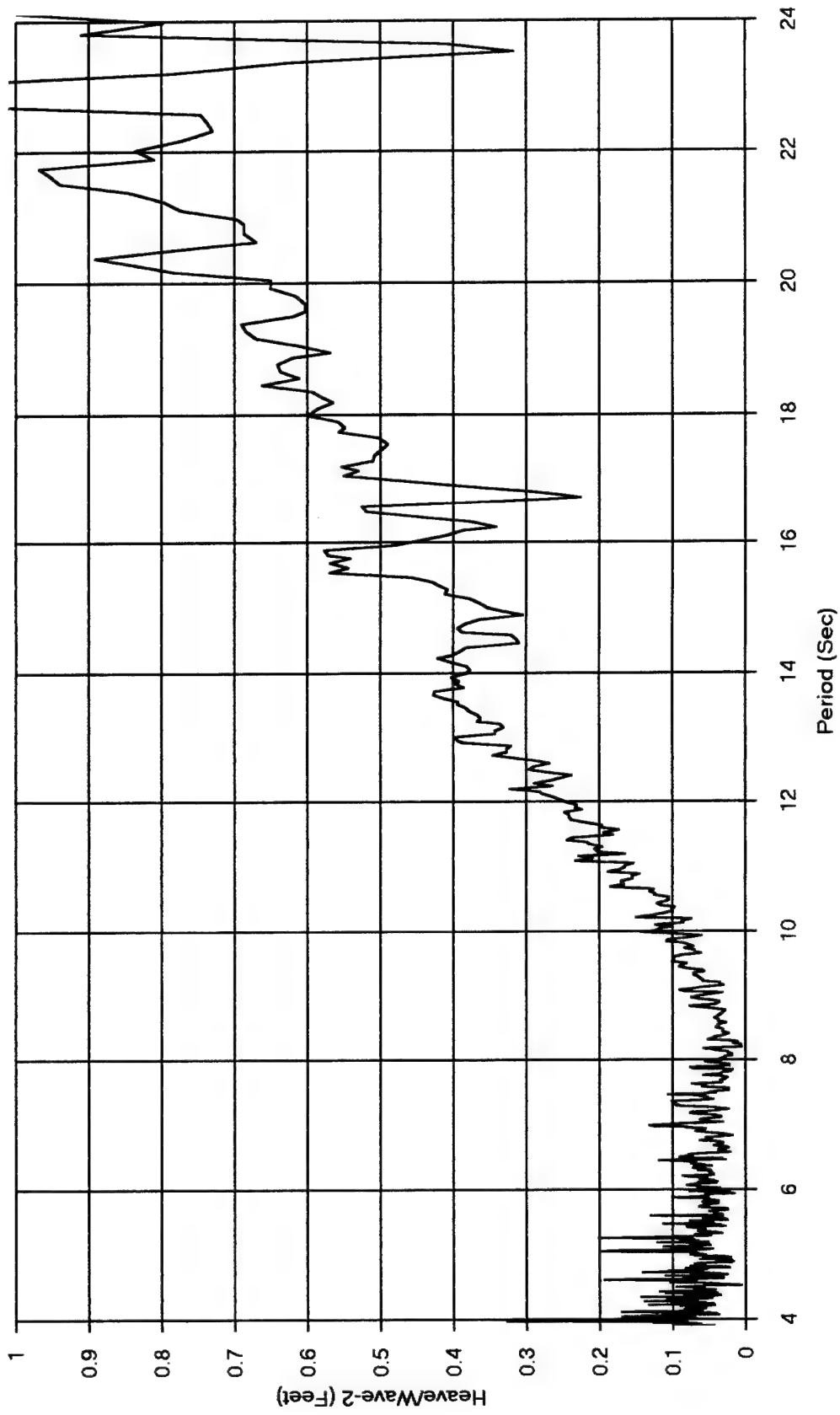
Test A608 - BT-1 RAO



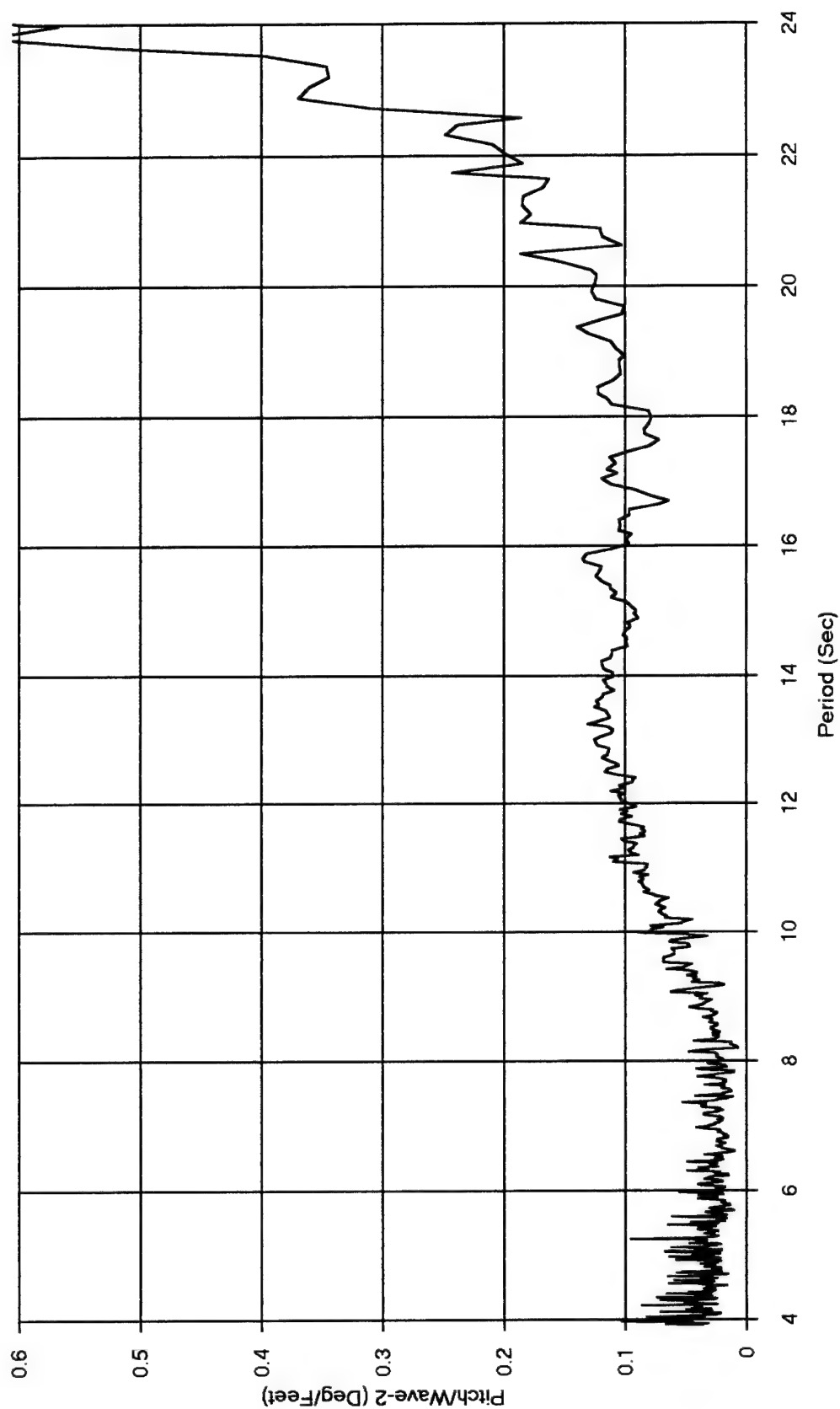
Test A608 - BT-3 RAD



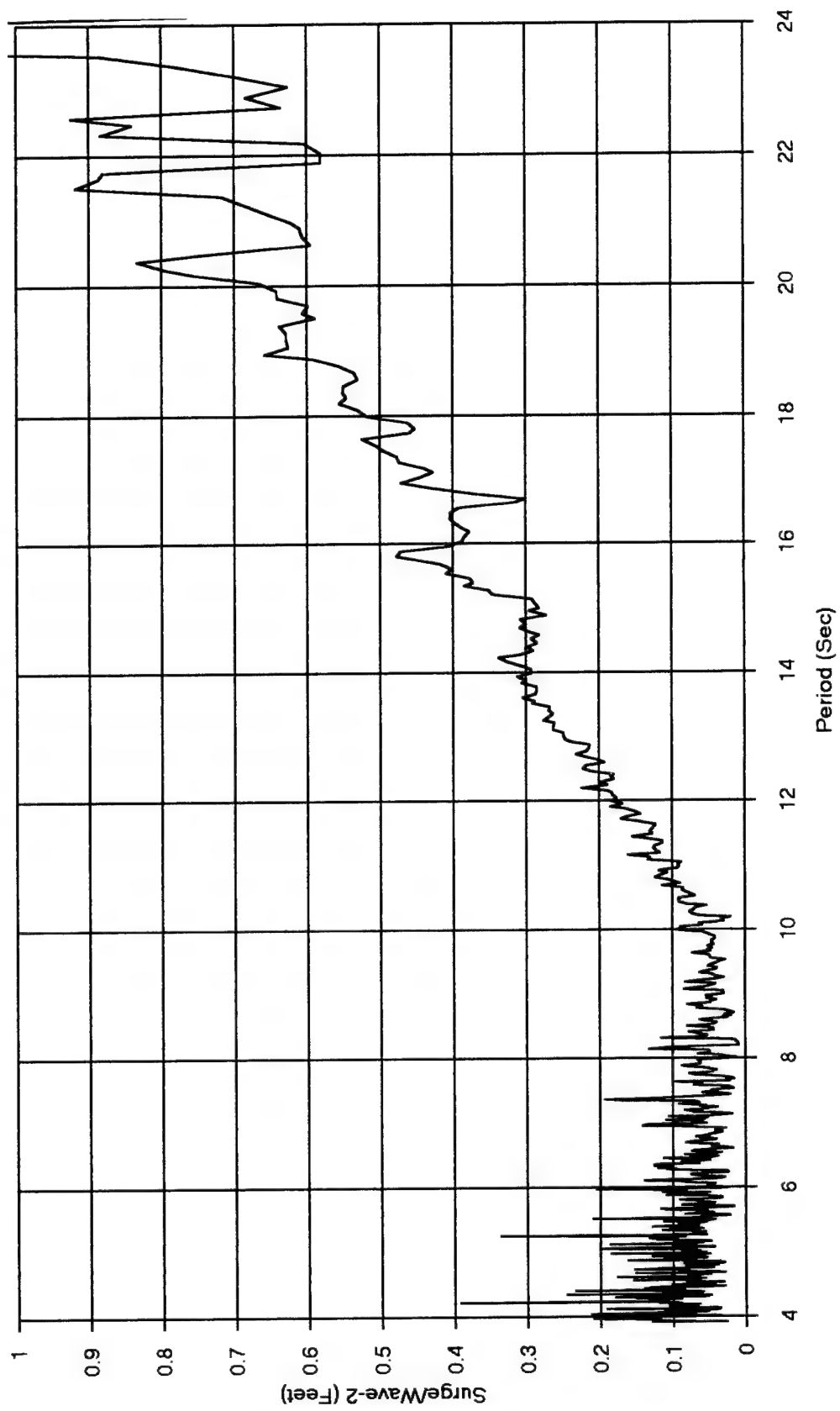
Test A609 - HEAVE RAD



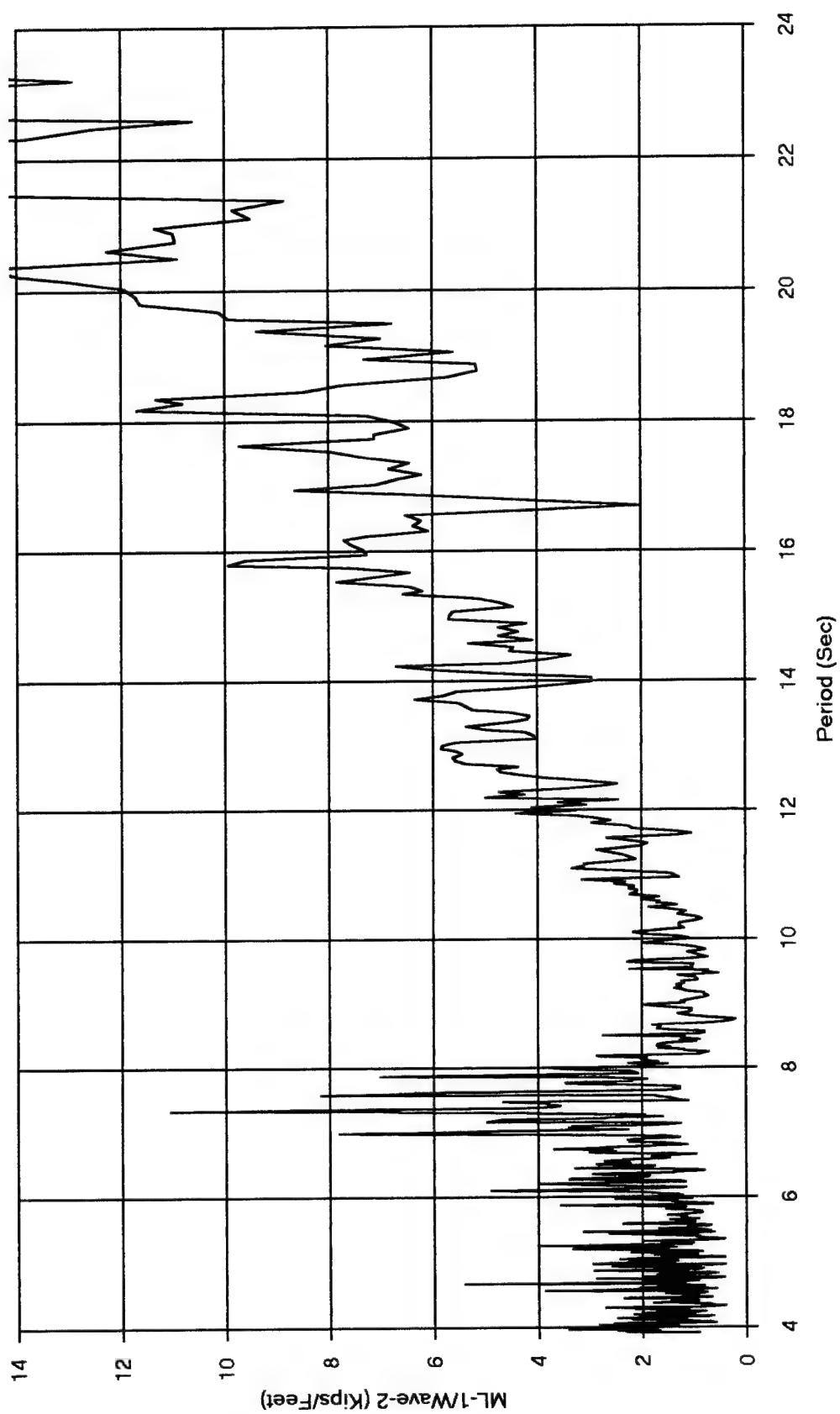
Test A609 - PITCH RAD



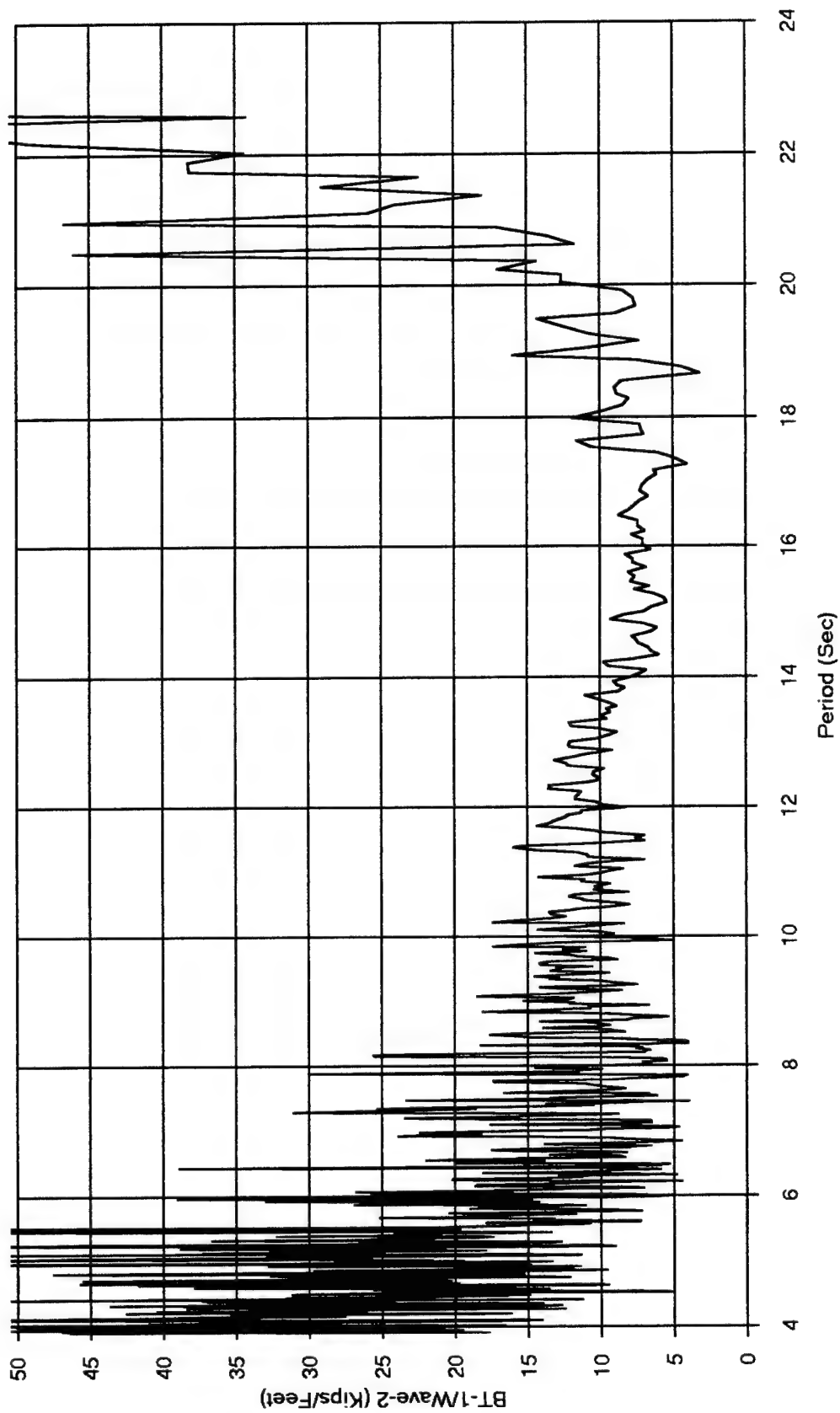
Test A609 - SURGE RAO



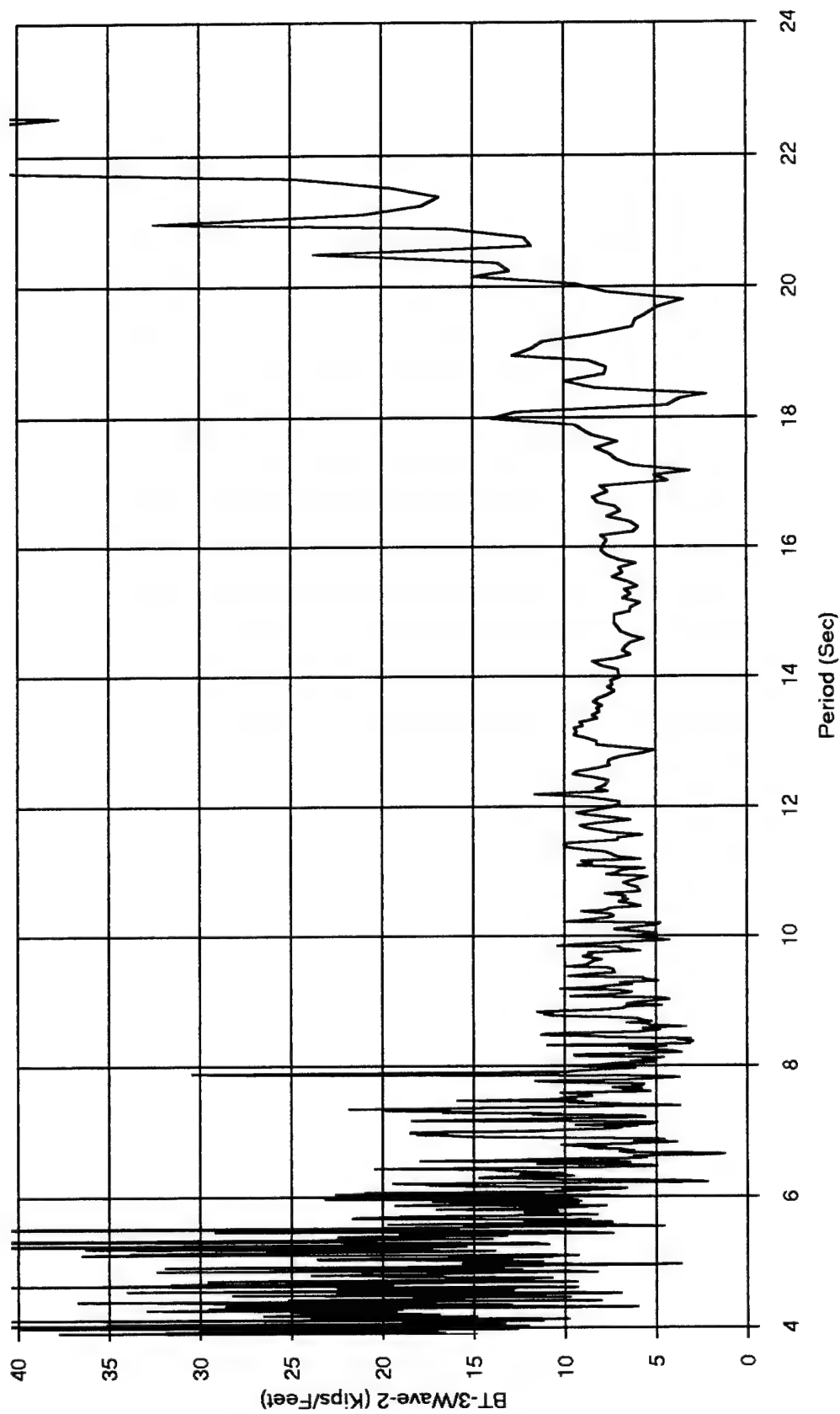
Test A609 - ML-1 RAO



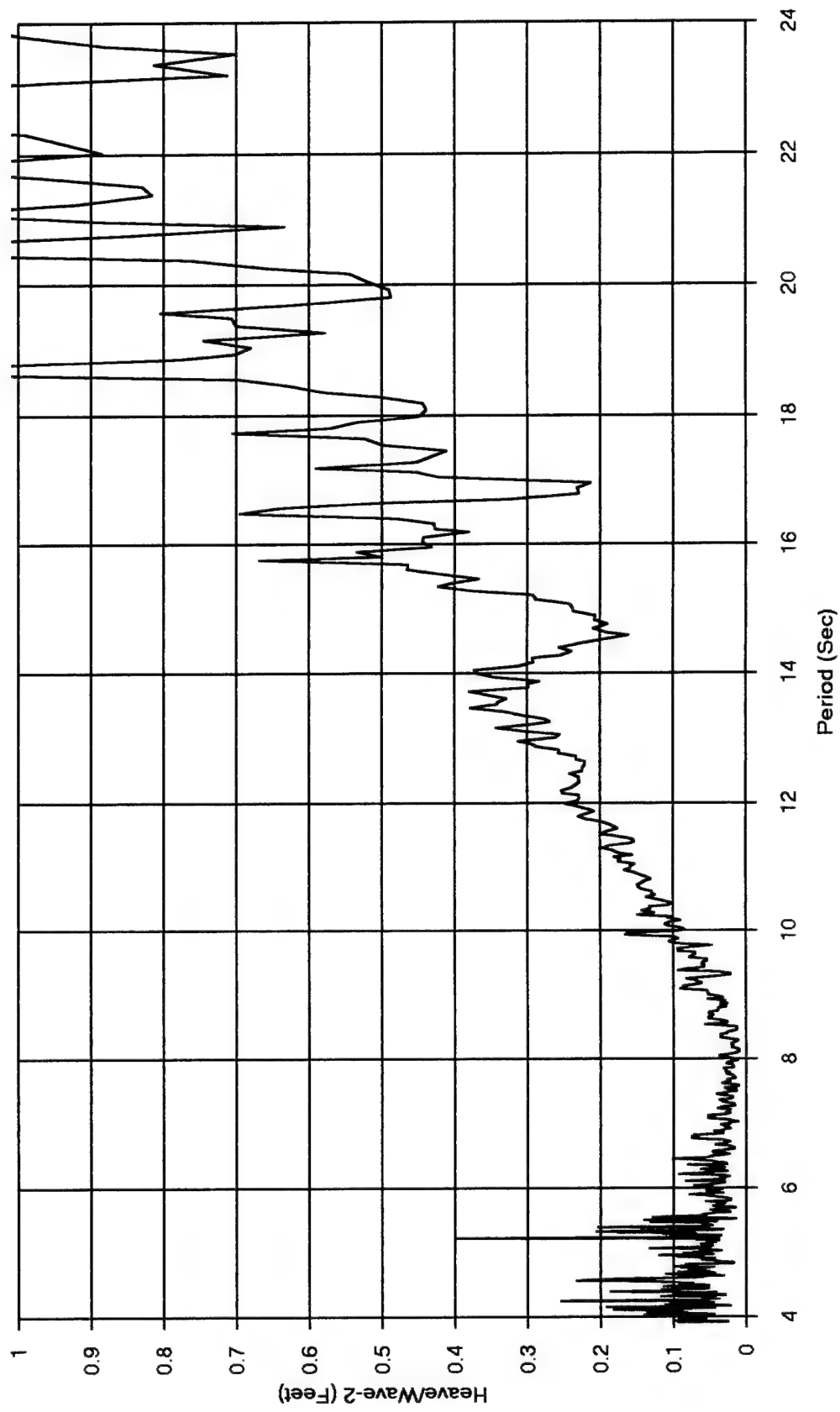
Test A609 - BT-1 RAO



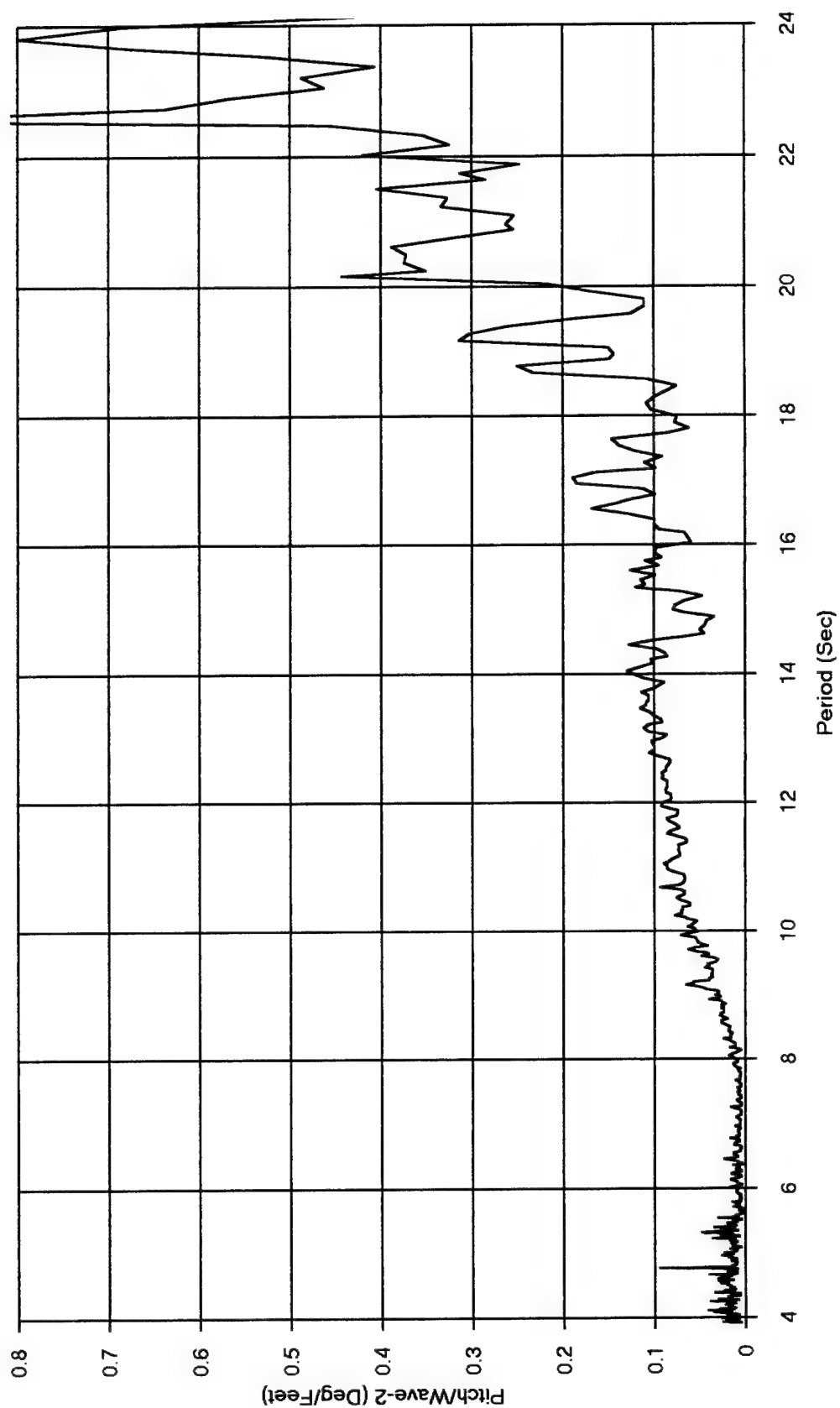
Test A609 - BT-3 RAO



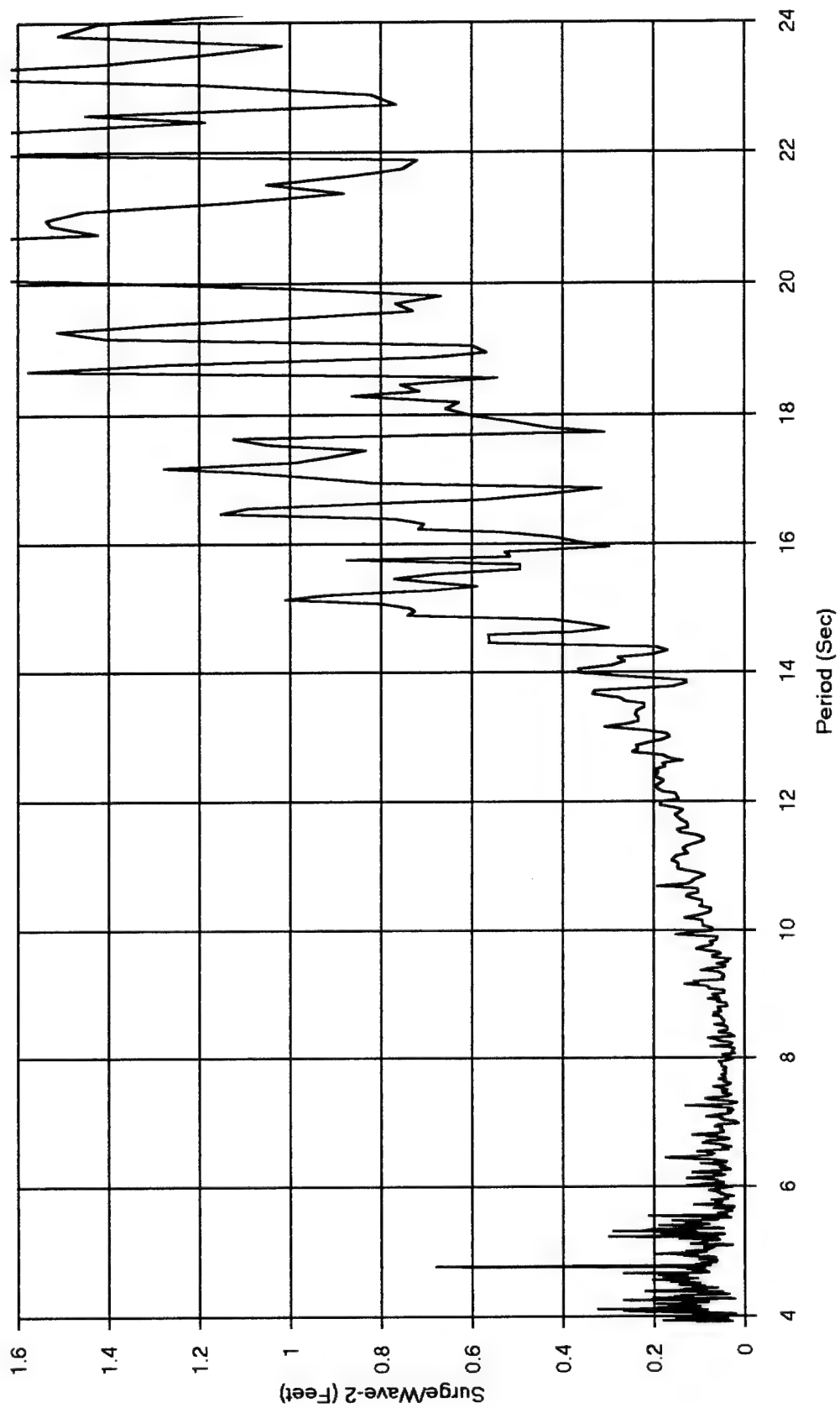
Test A708 - HEAVE RAO



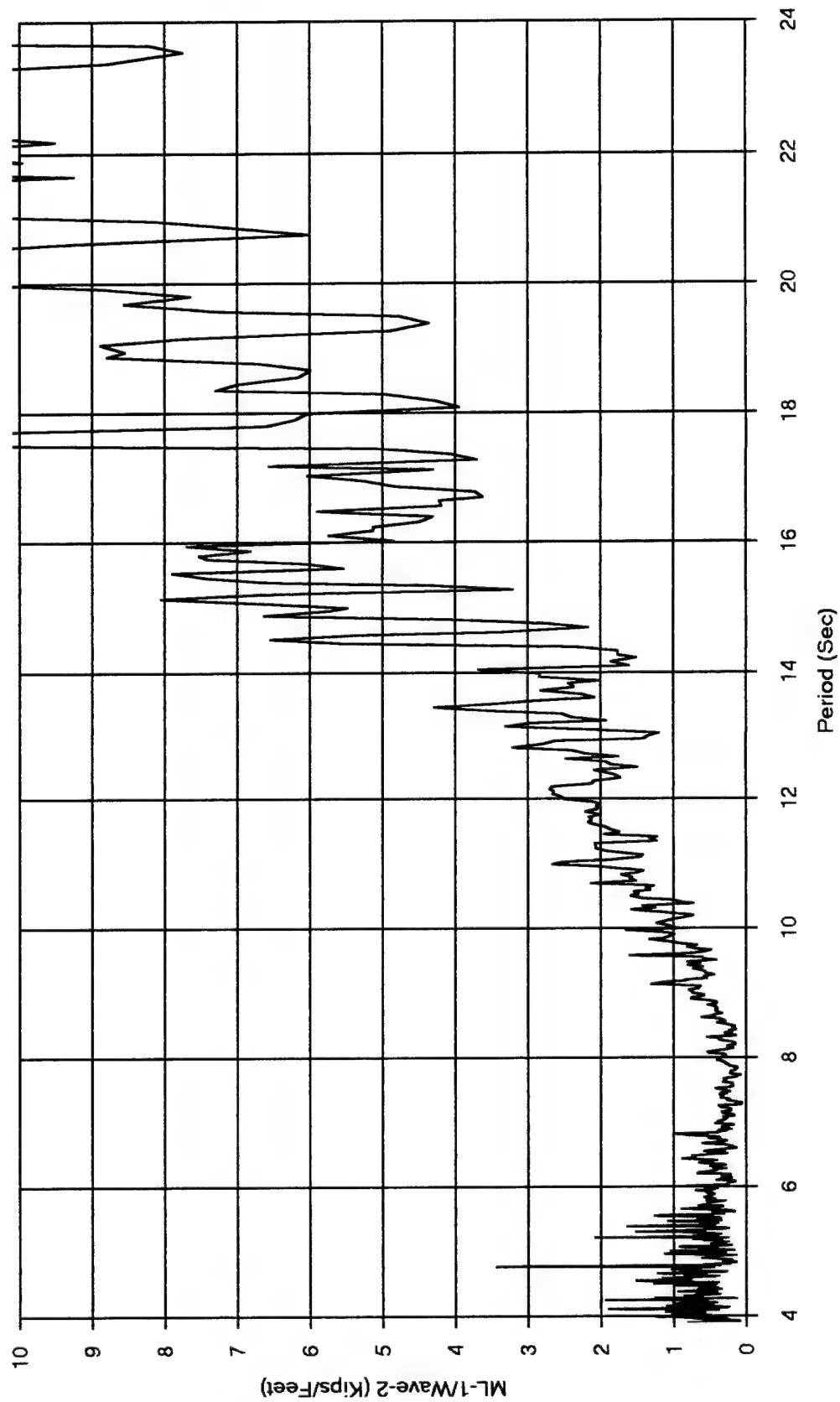
Test A708 - PITCH RAO



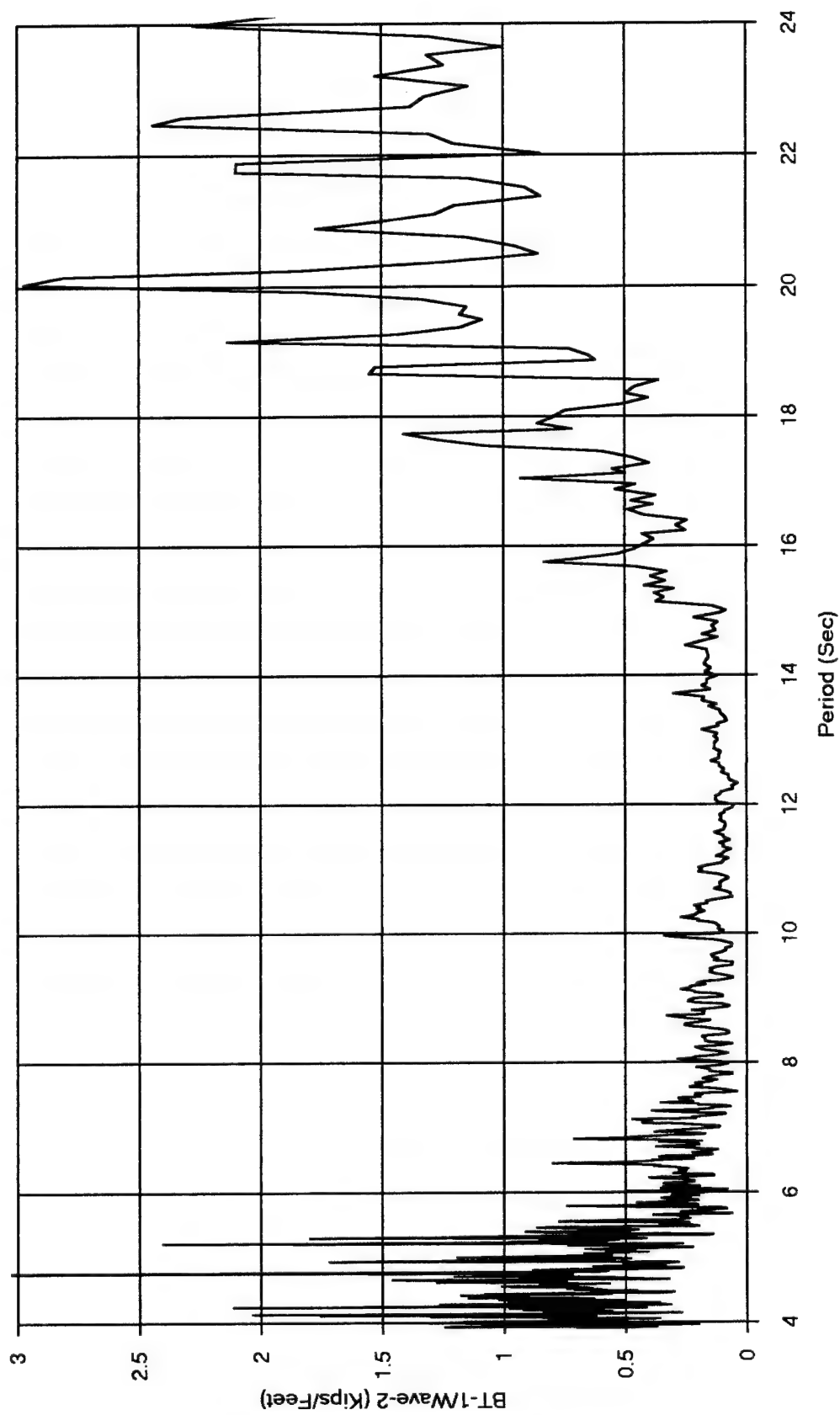
Test A708 - SURGE RAO



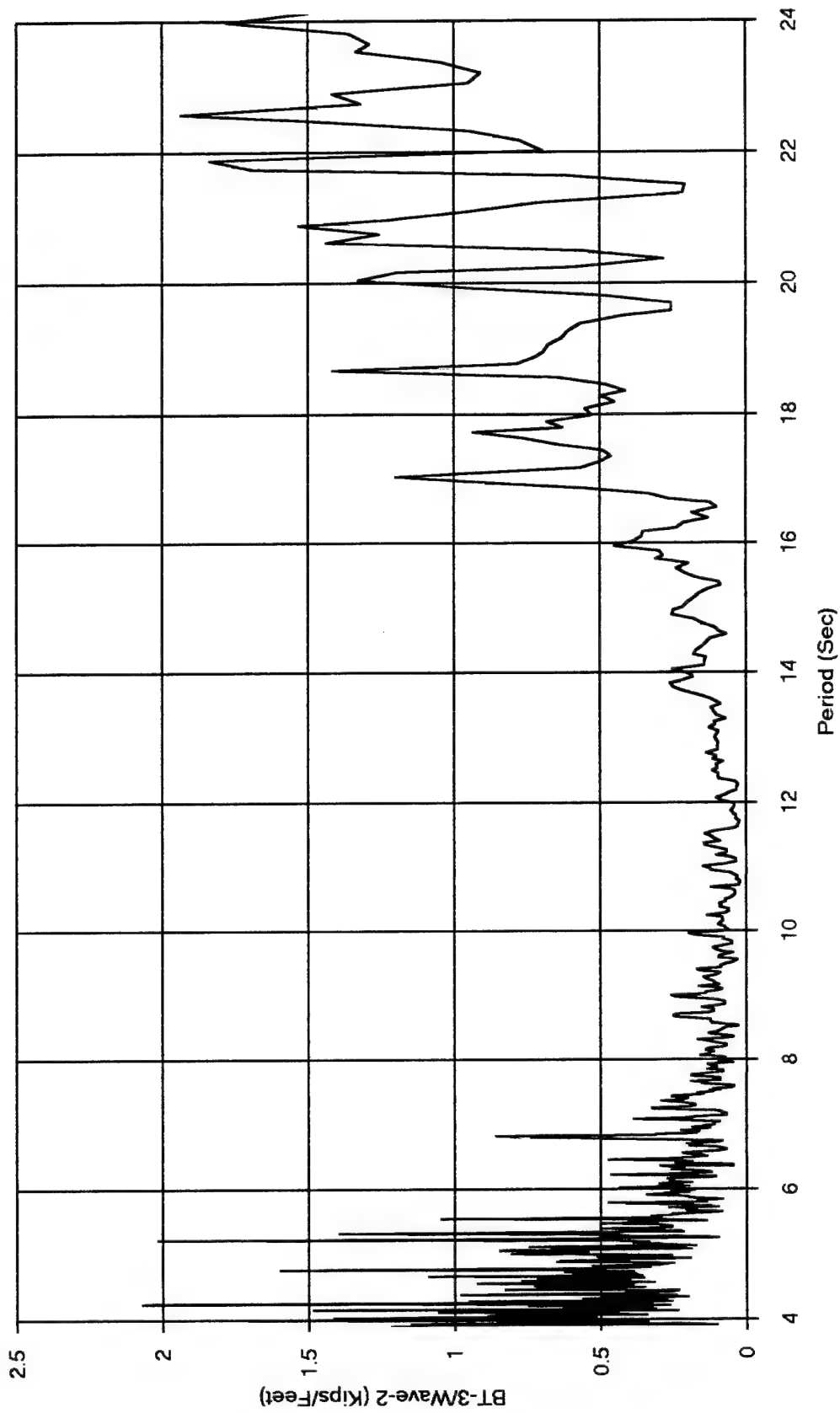
Test A708- ML-1 RAO



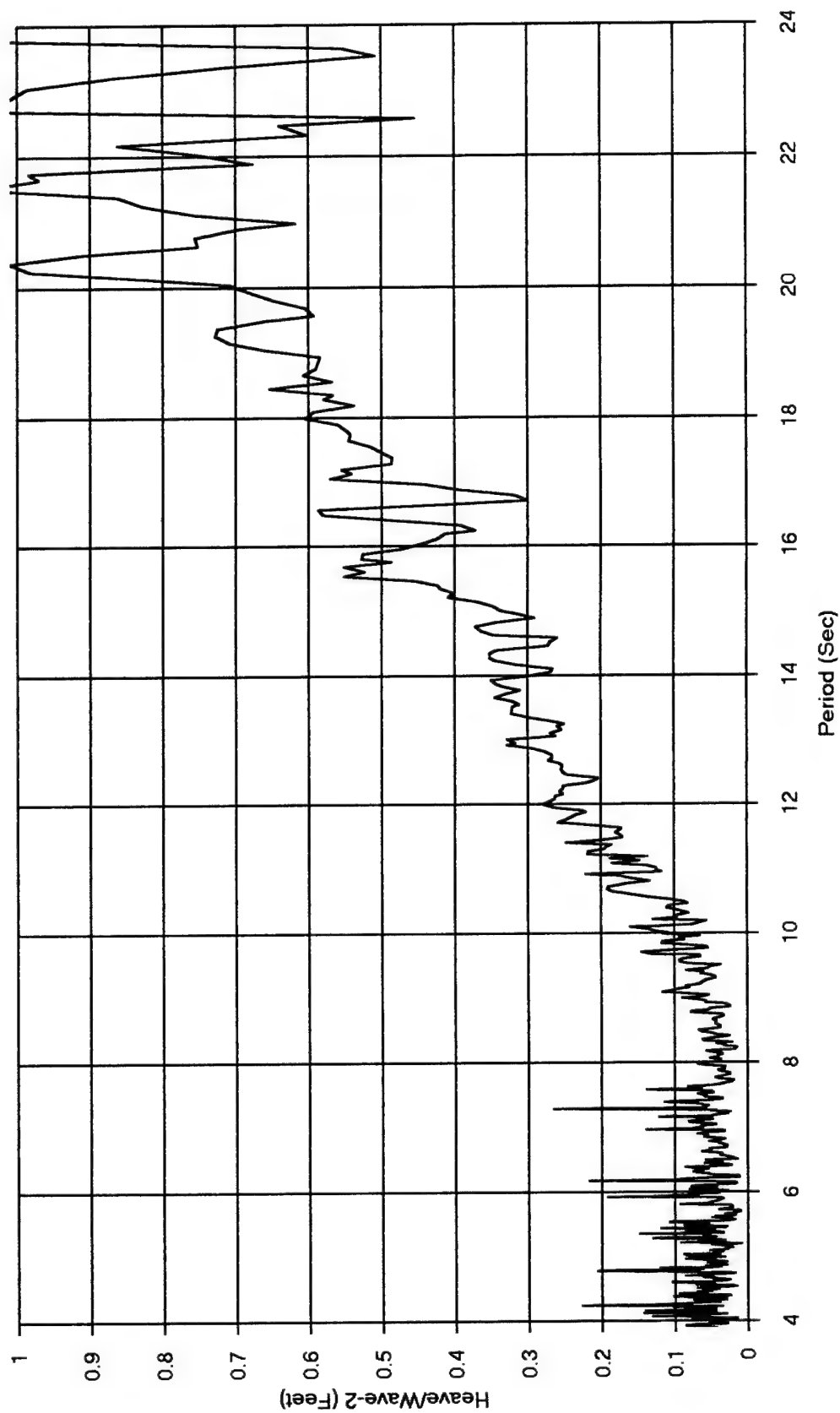
Test A708 - BT-1 RAD



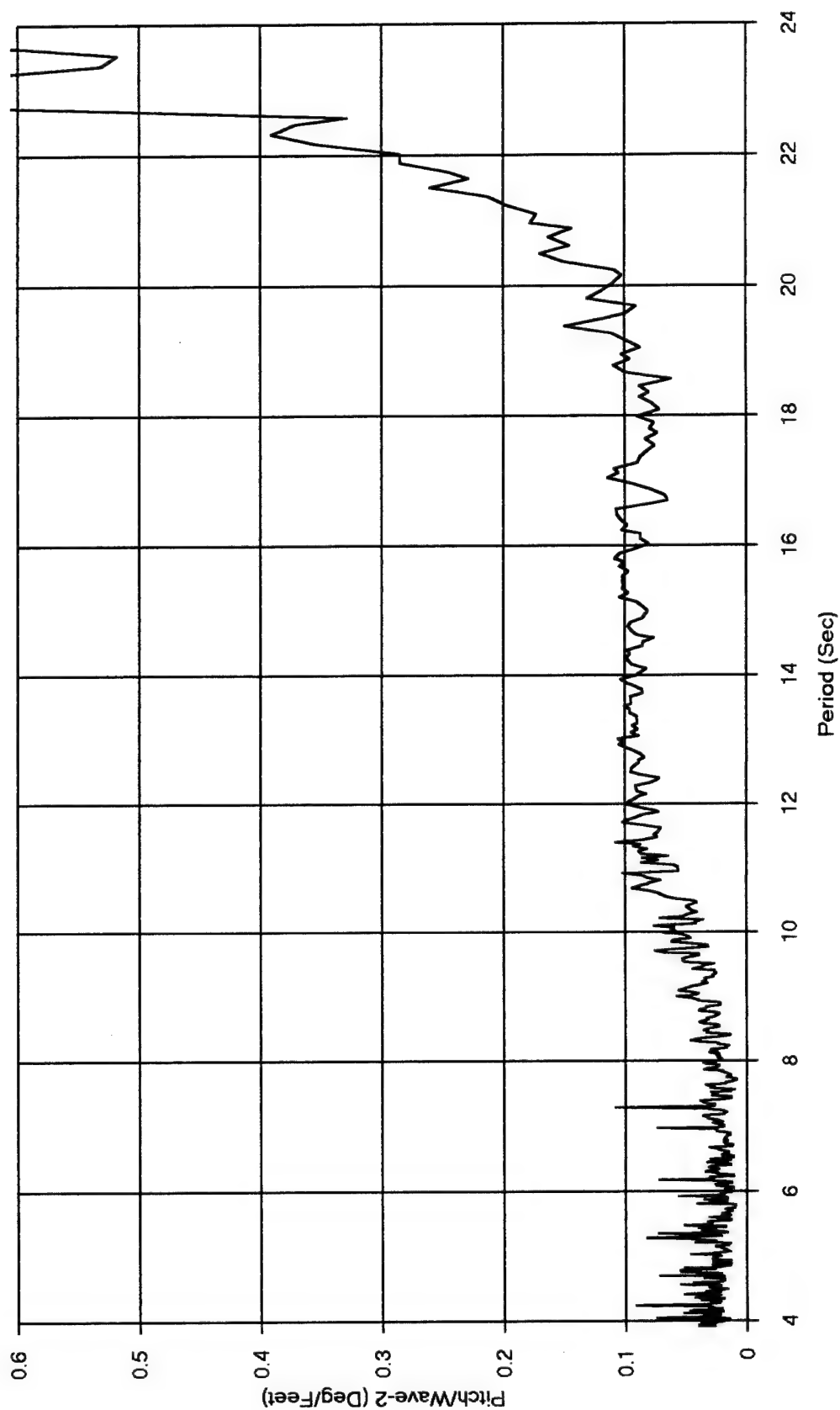
Test A708 - BT-3 RAO



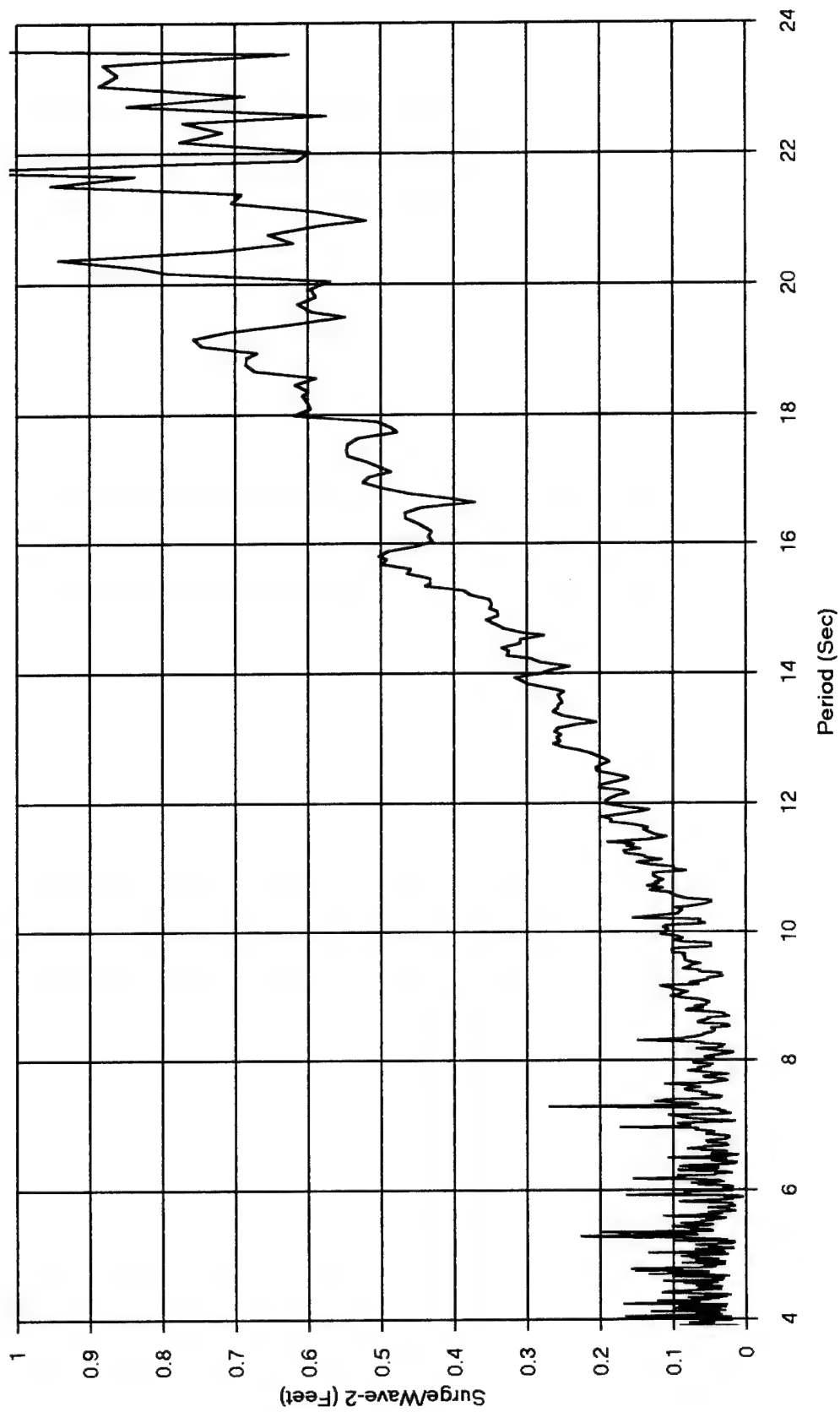
Test A709 - HEAVE RAO



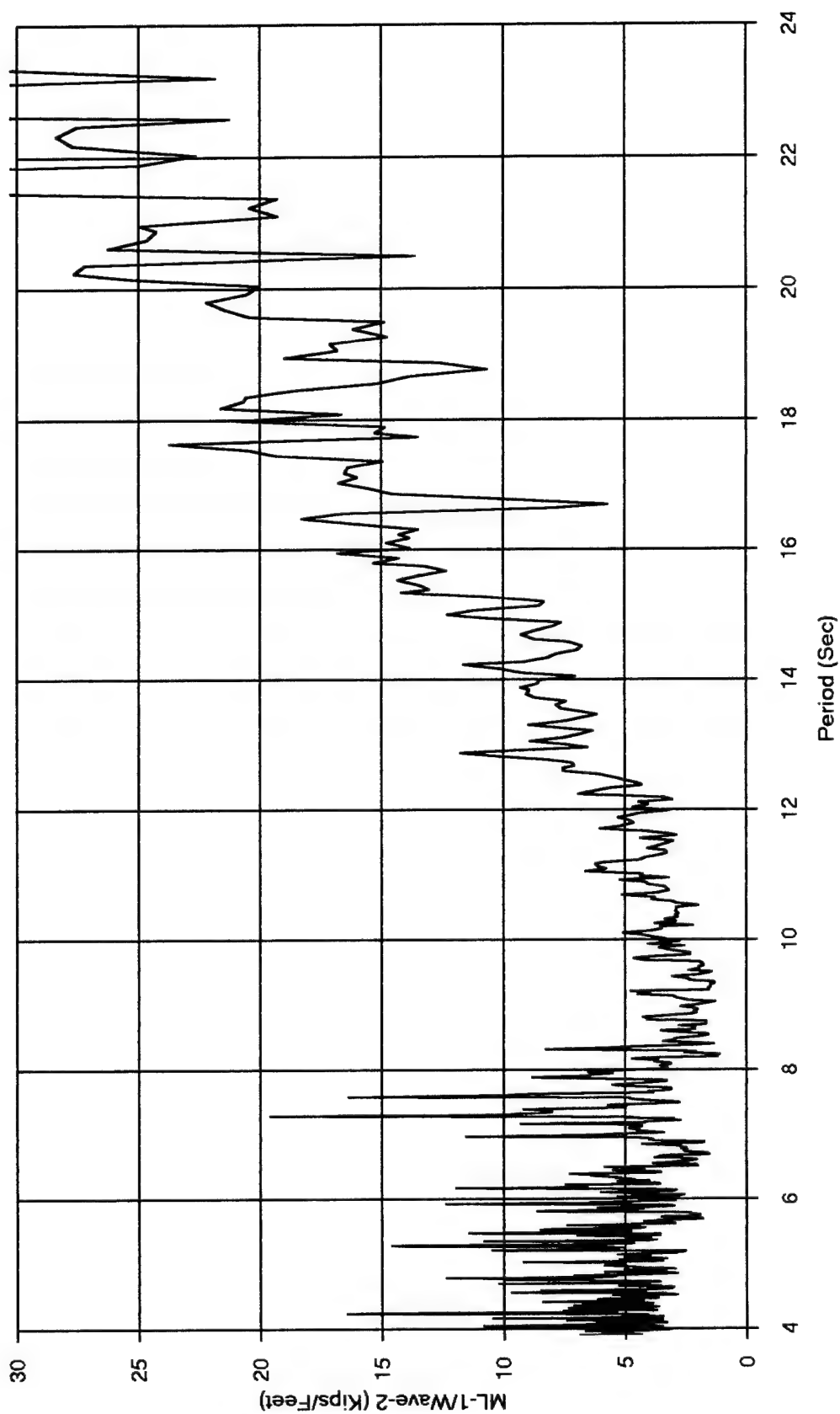
Test A709 - PITCH RAD



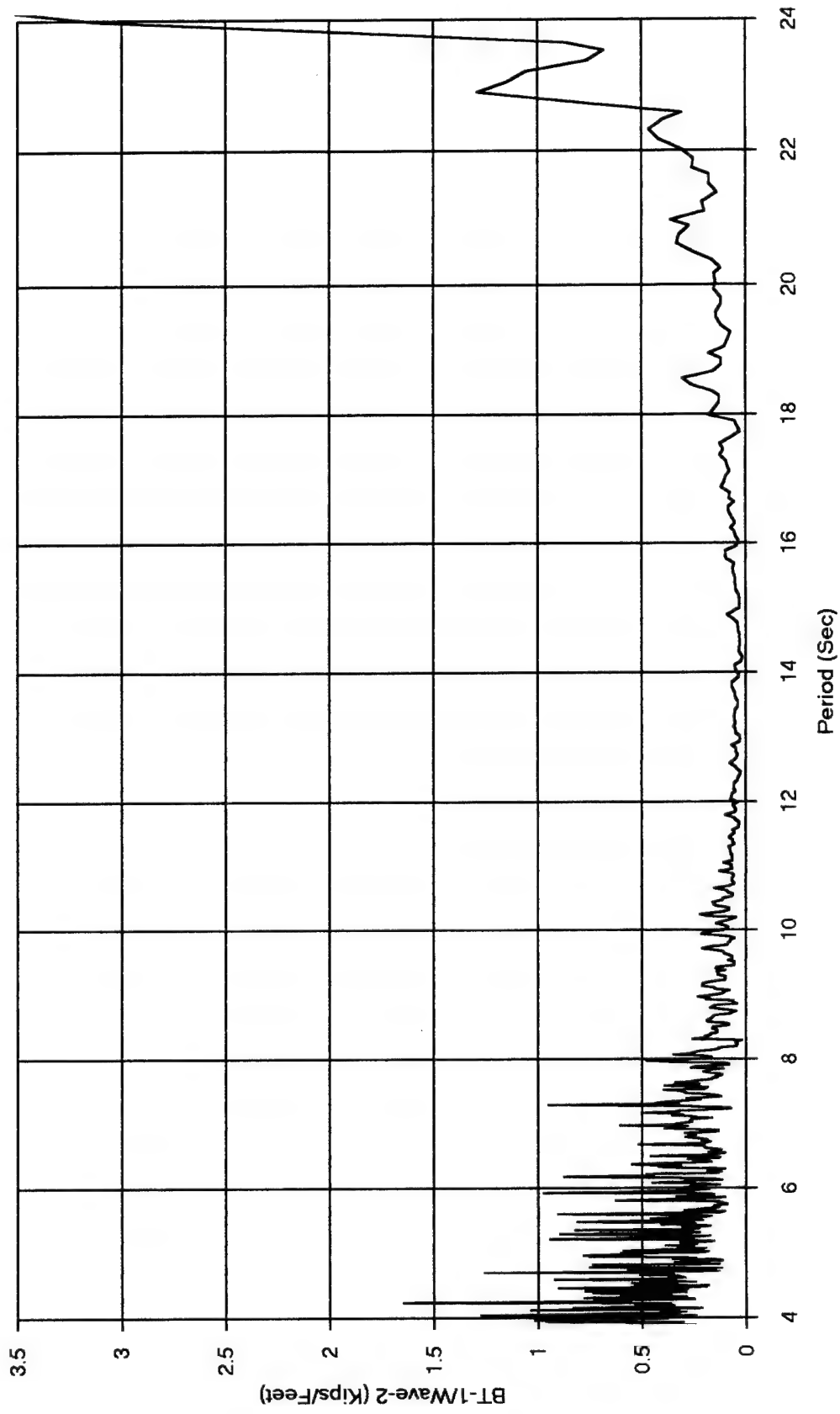
Test A709 - SURGE RAD



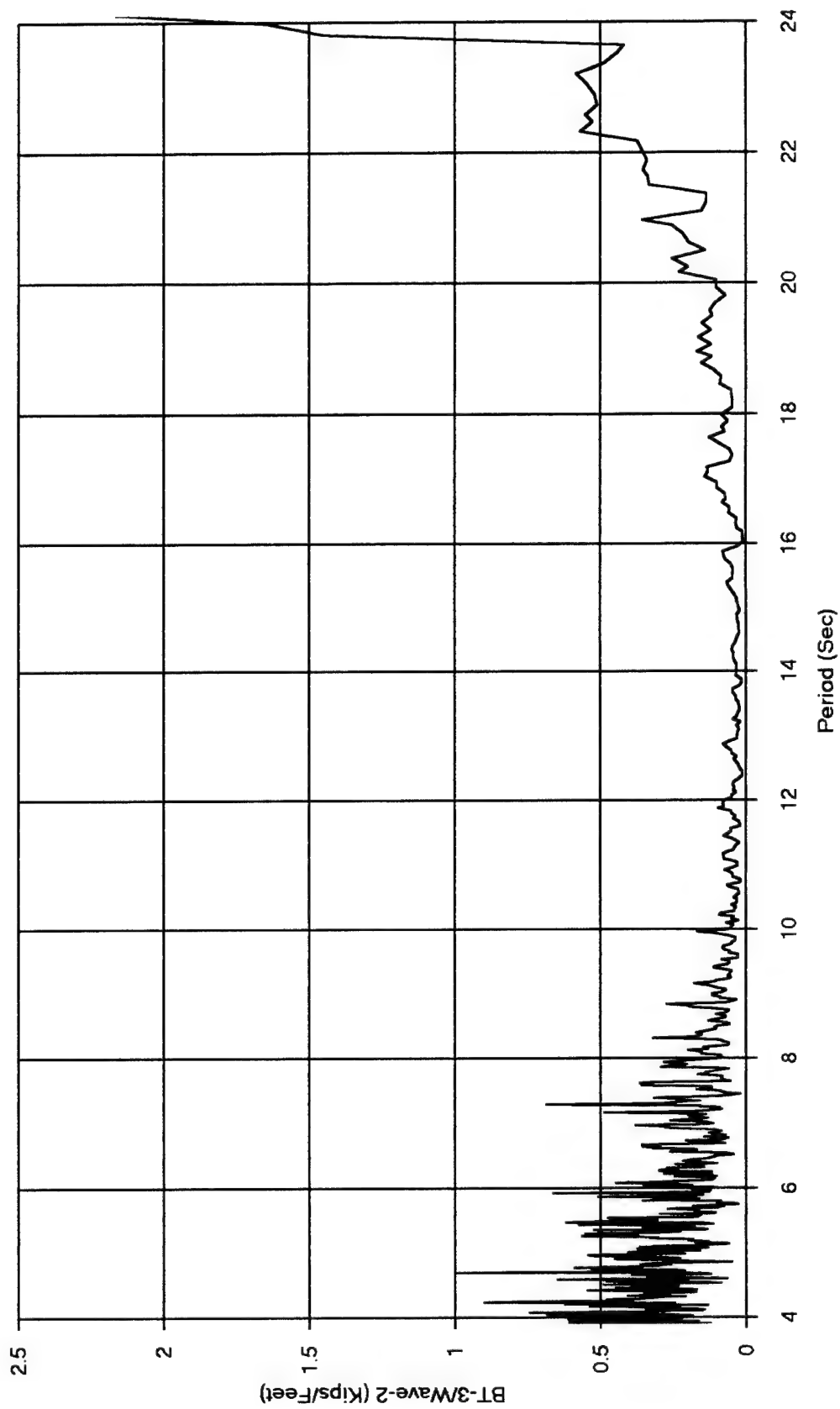
Test A709 - ML-1 RAO



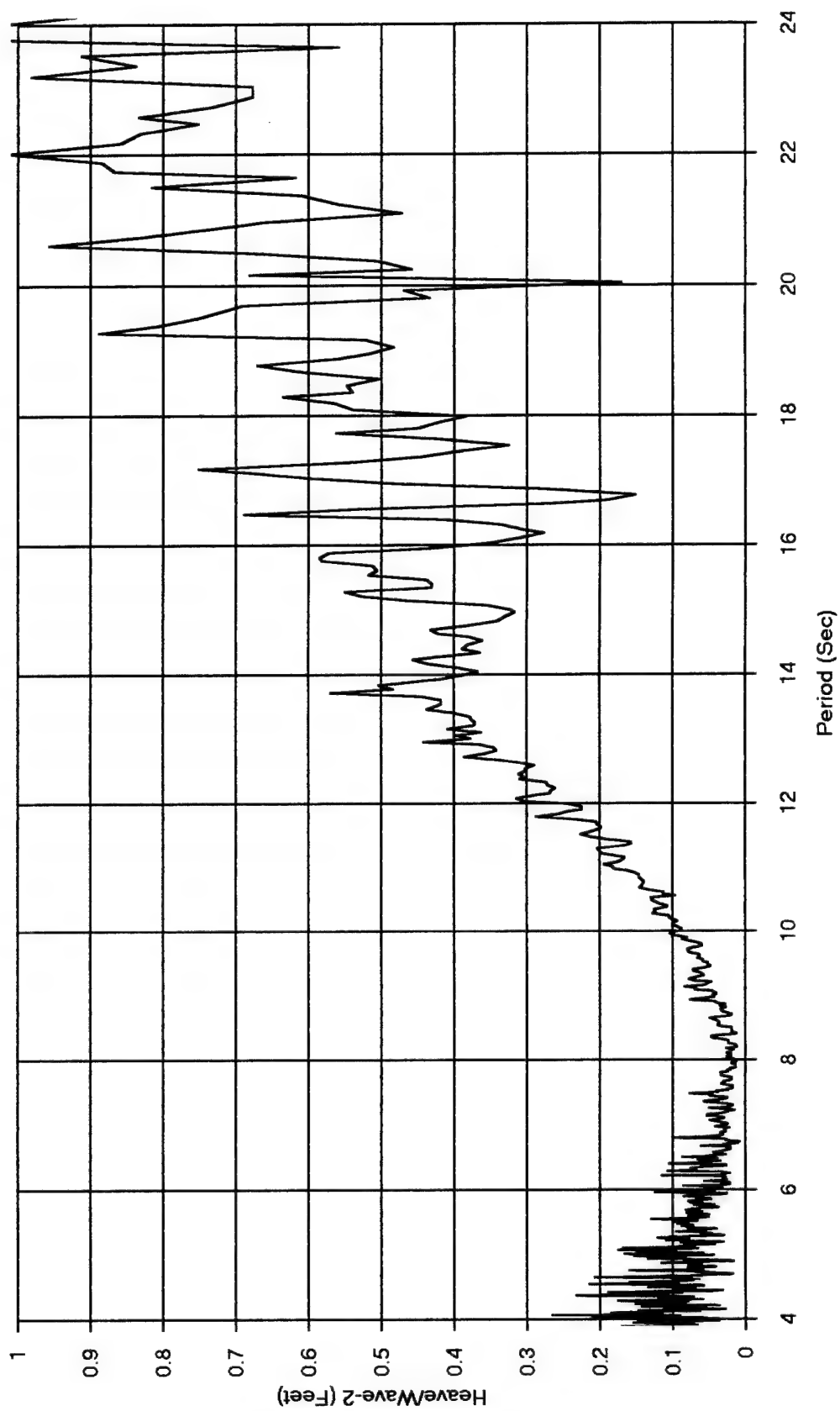
Test A709 - BT-1 RAD



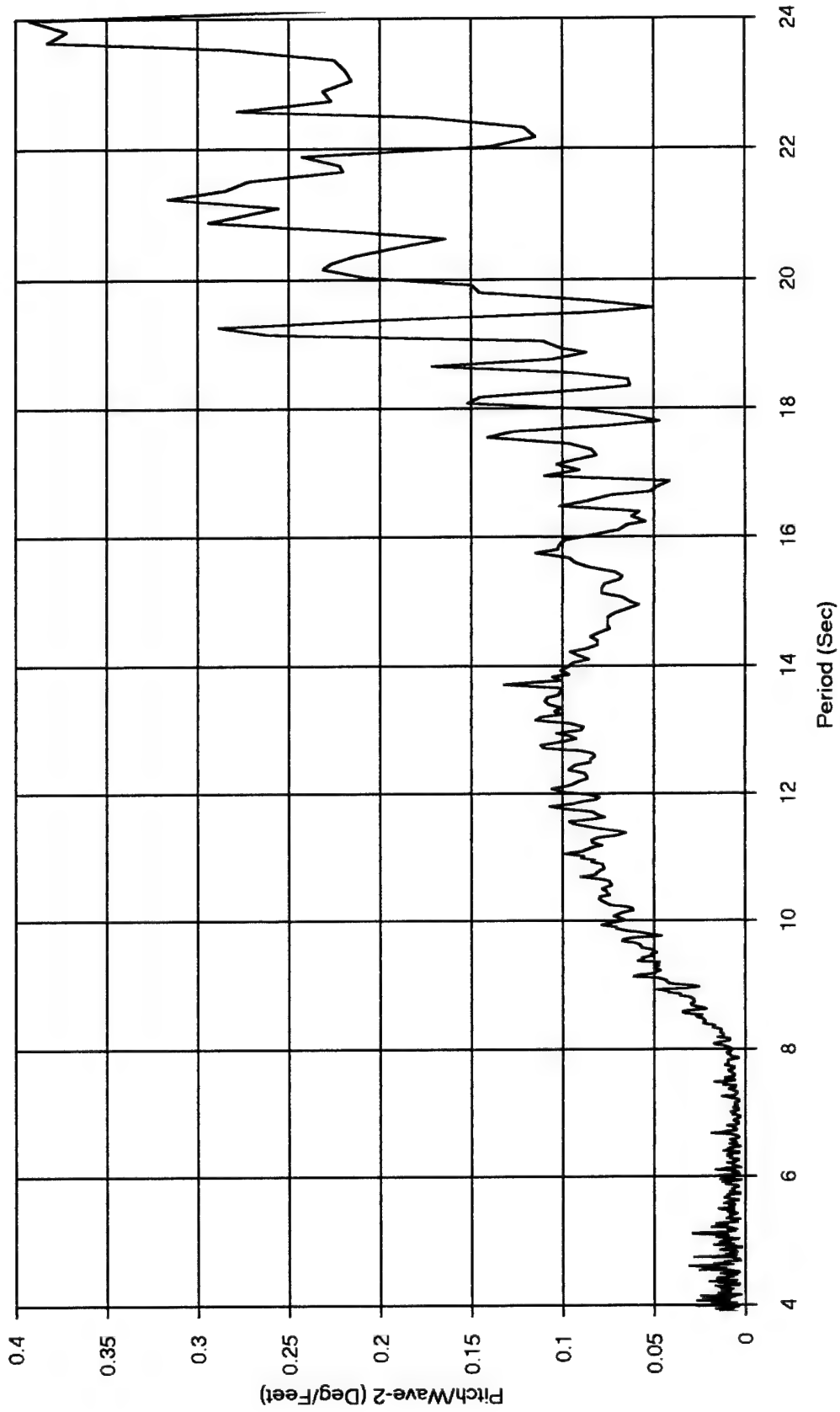
Test A709 - BT-3 RAD



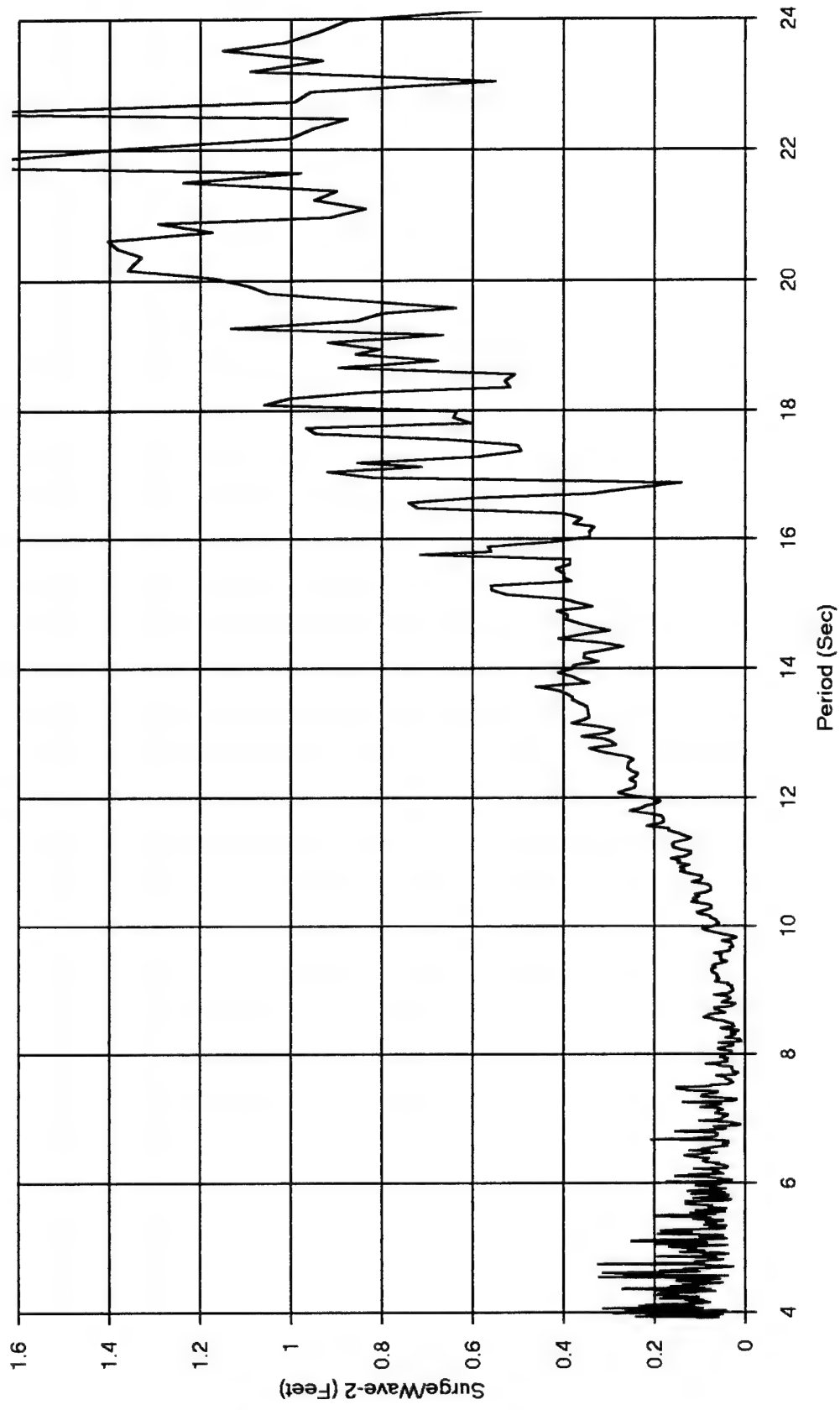
Test A808 - HEAVE RAO



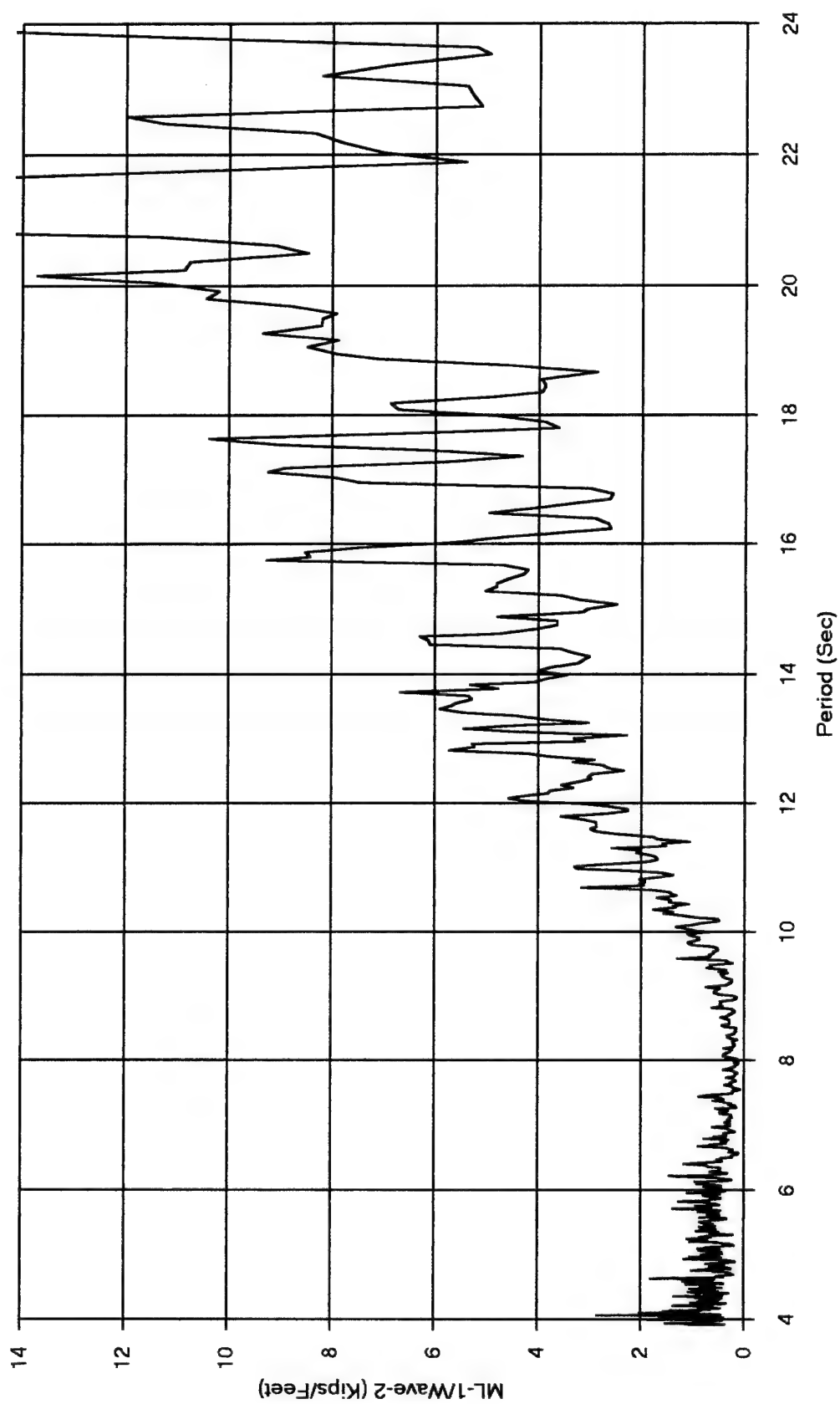
Test A808 - PITCH RAD



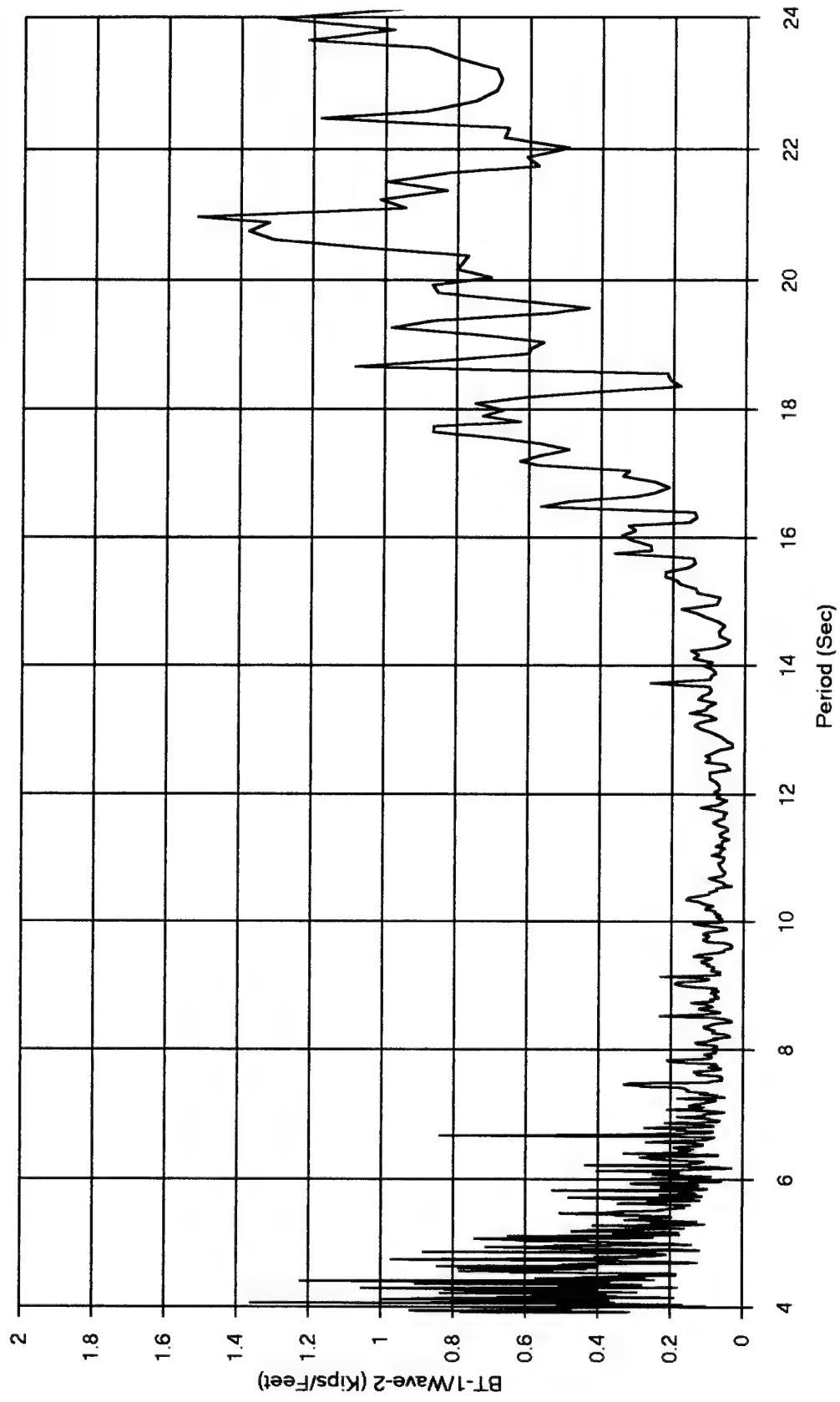
Test A808 - SURGE RAD



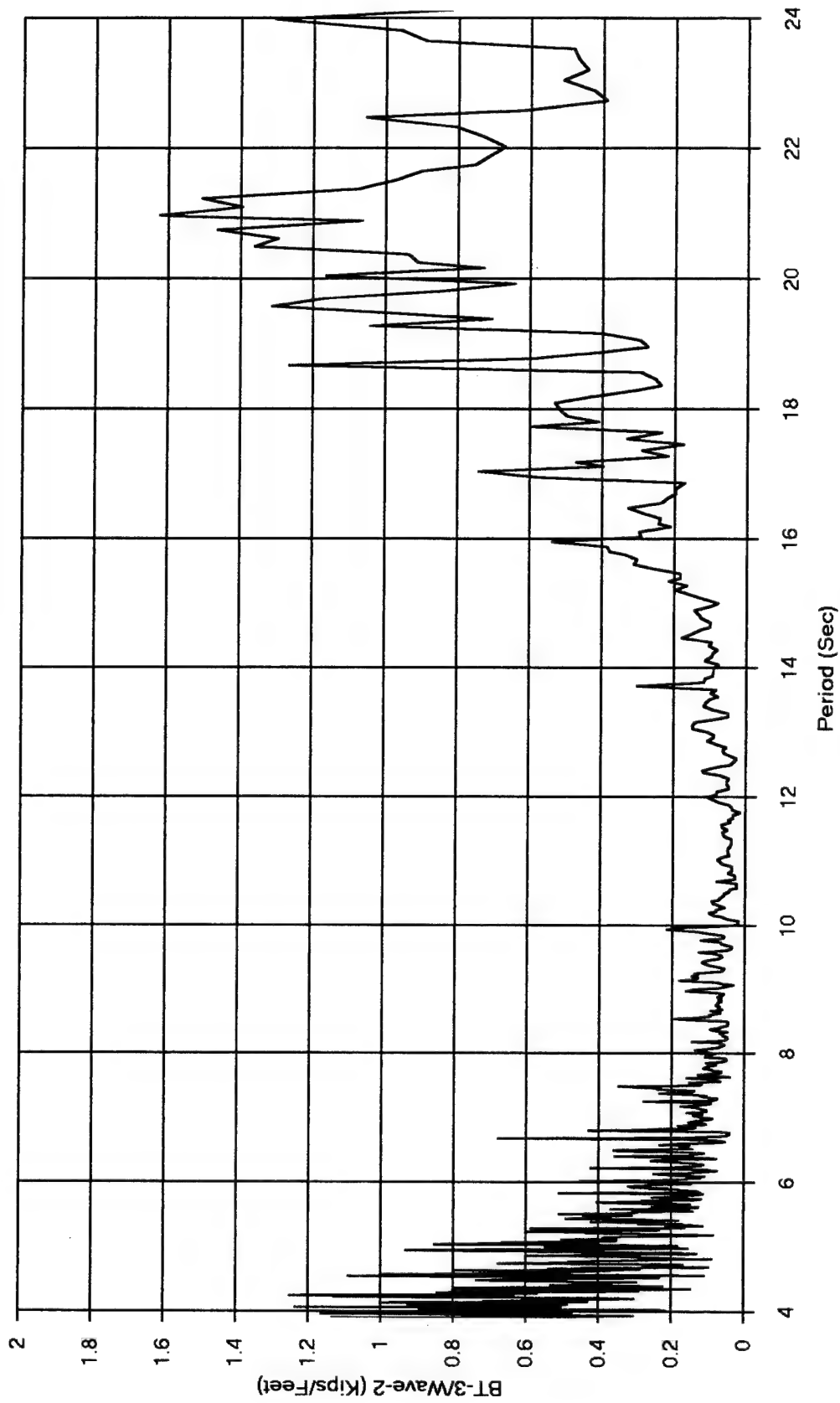
Test A808 - ML-1 RAD



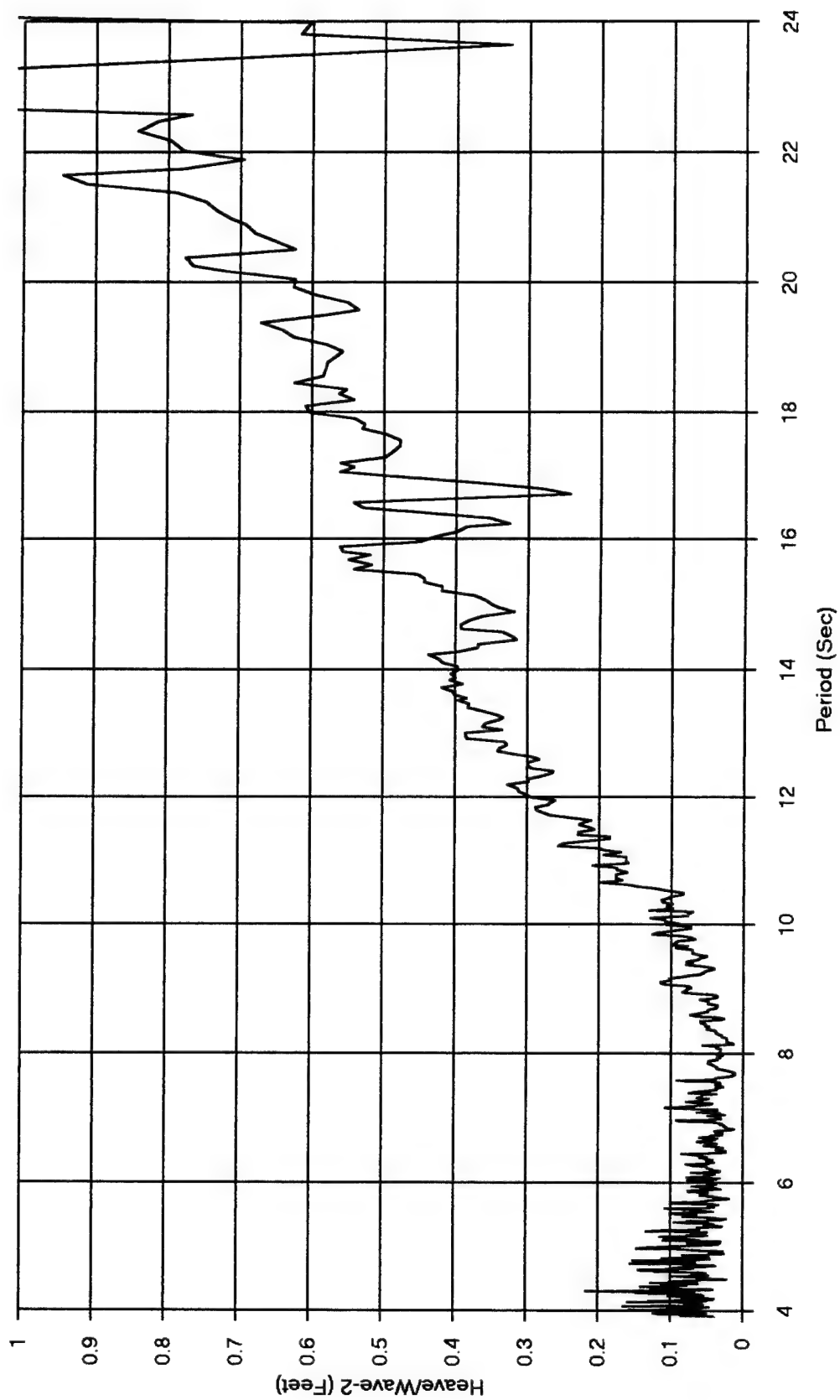
Test A808 - BT-1 RAO



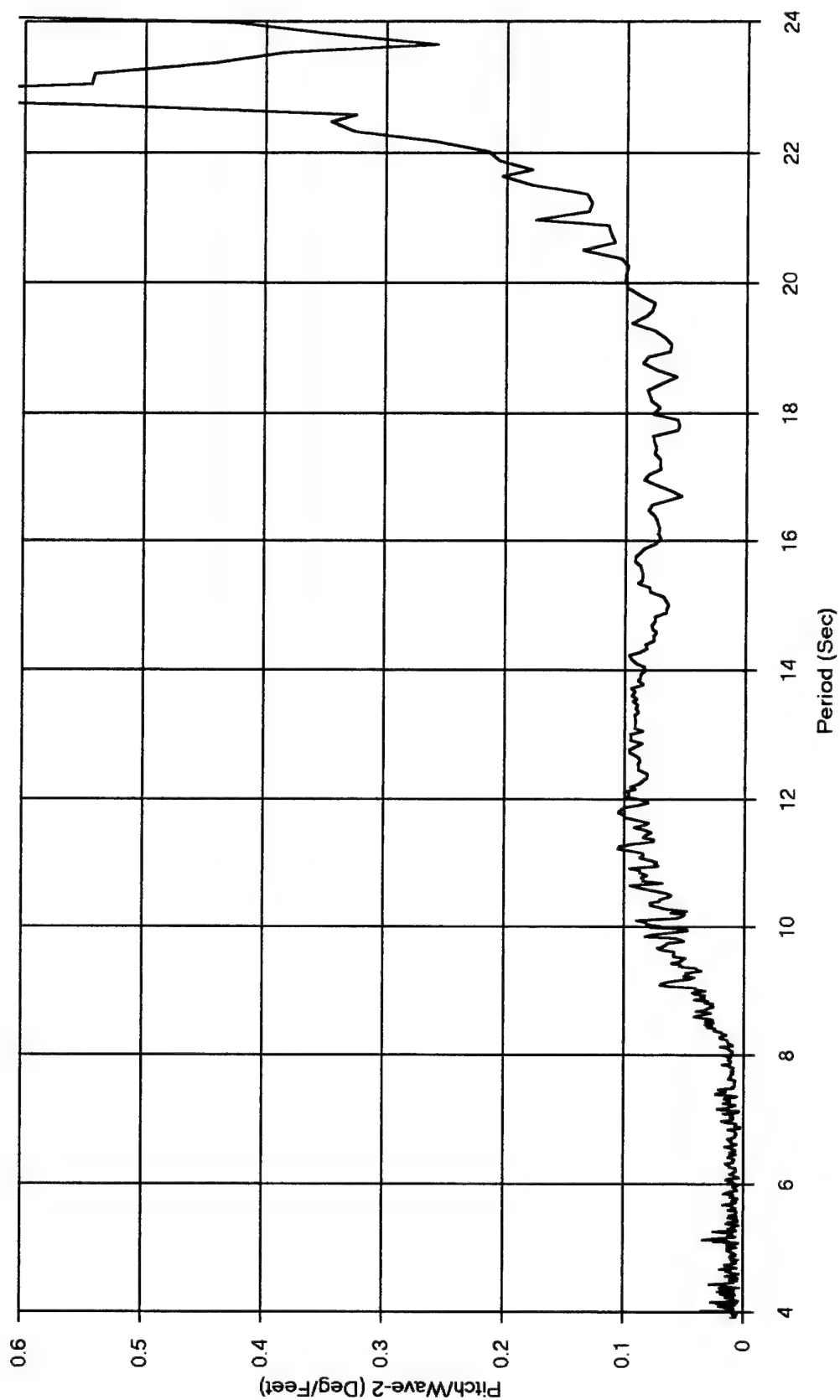
Test A808 - BT-3 RAO



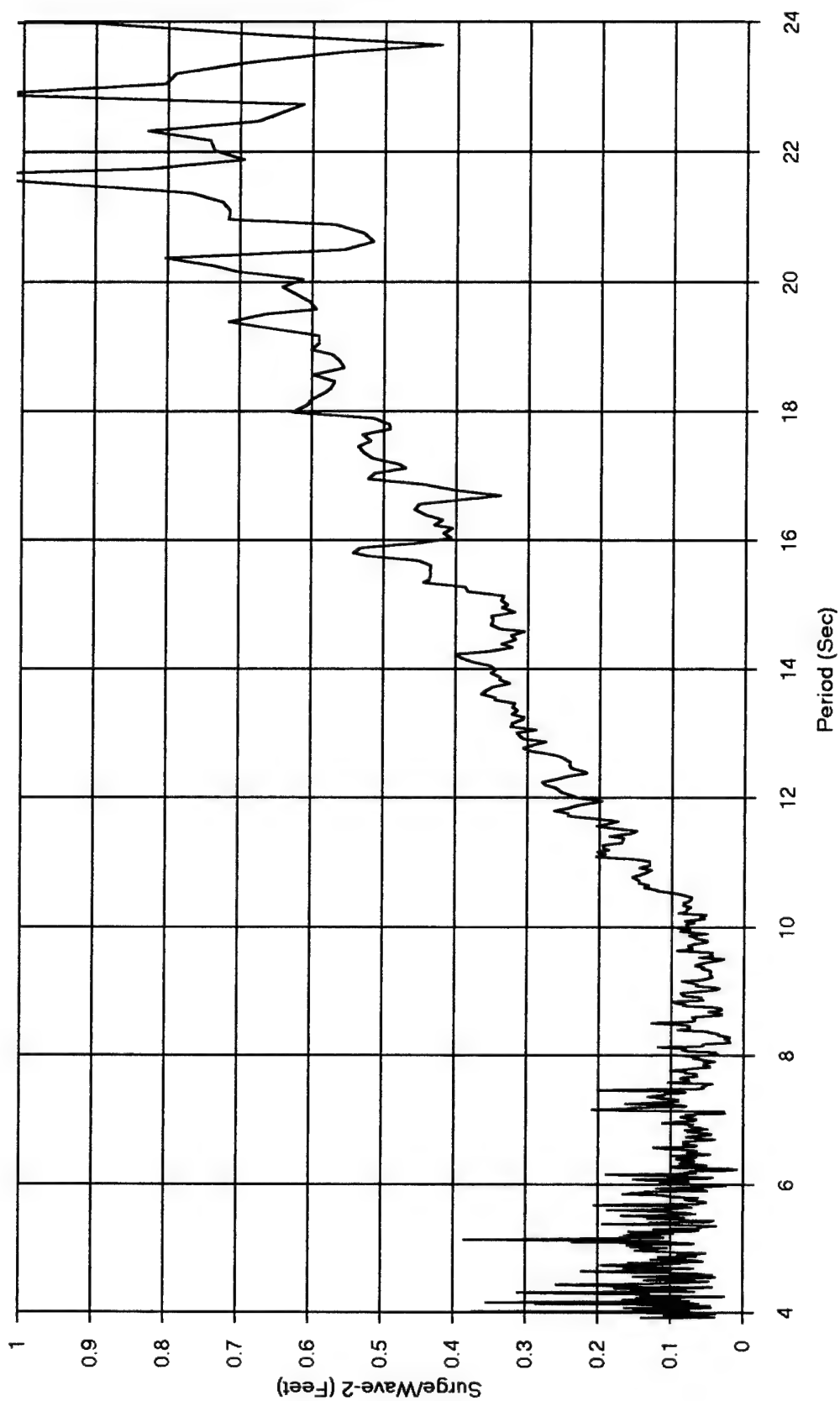
Test A809 - HEAVE RAD



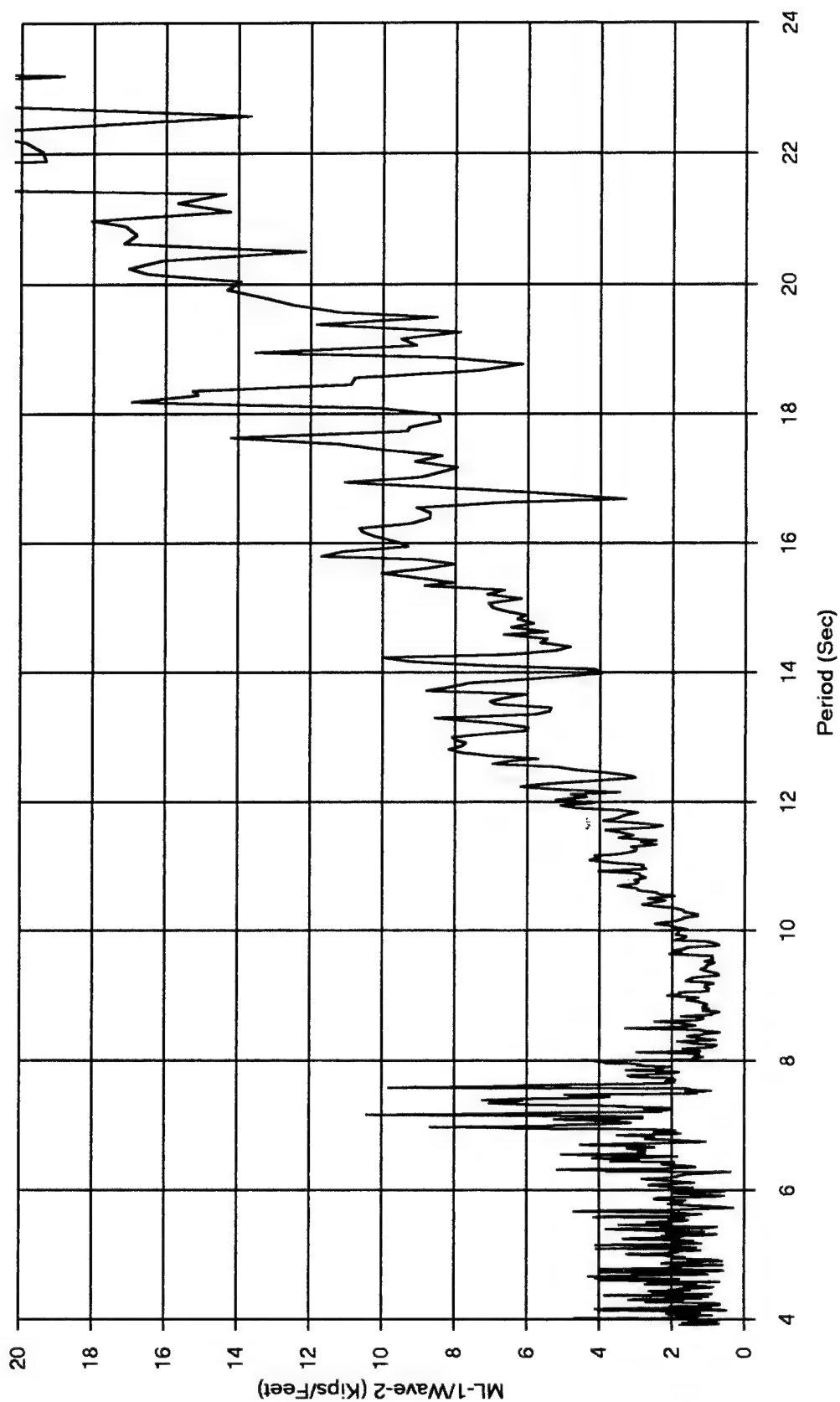
Test A809 - PITCH RAD



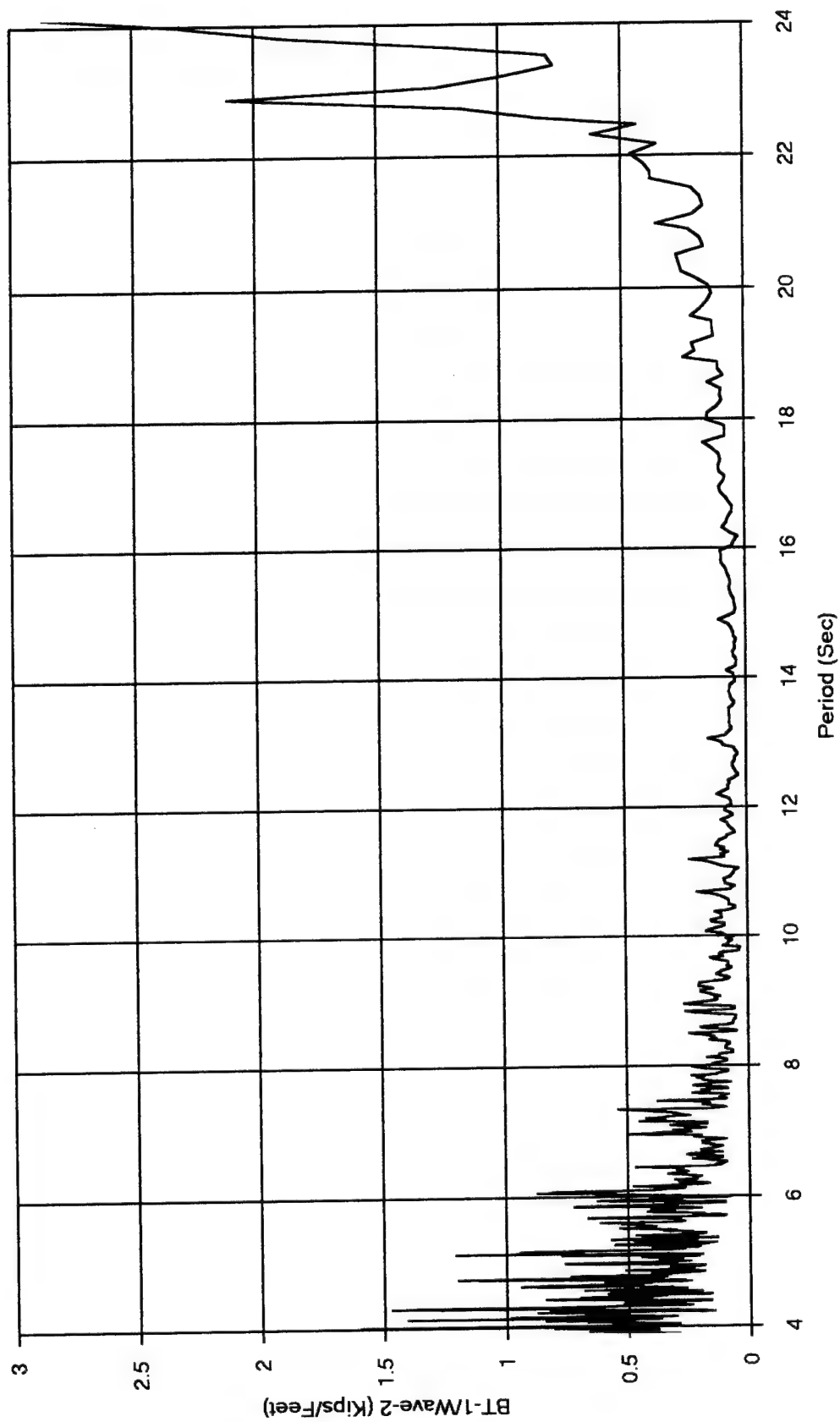
Test A809 - SURGE RAO



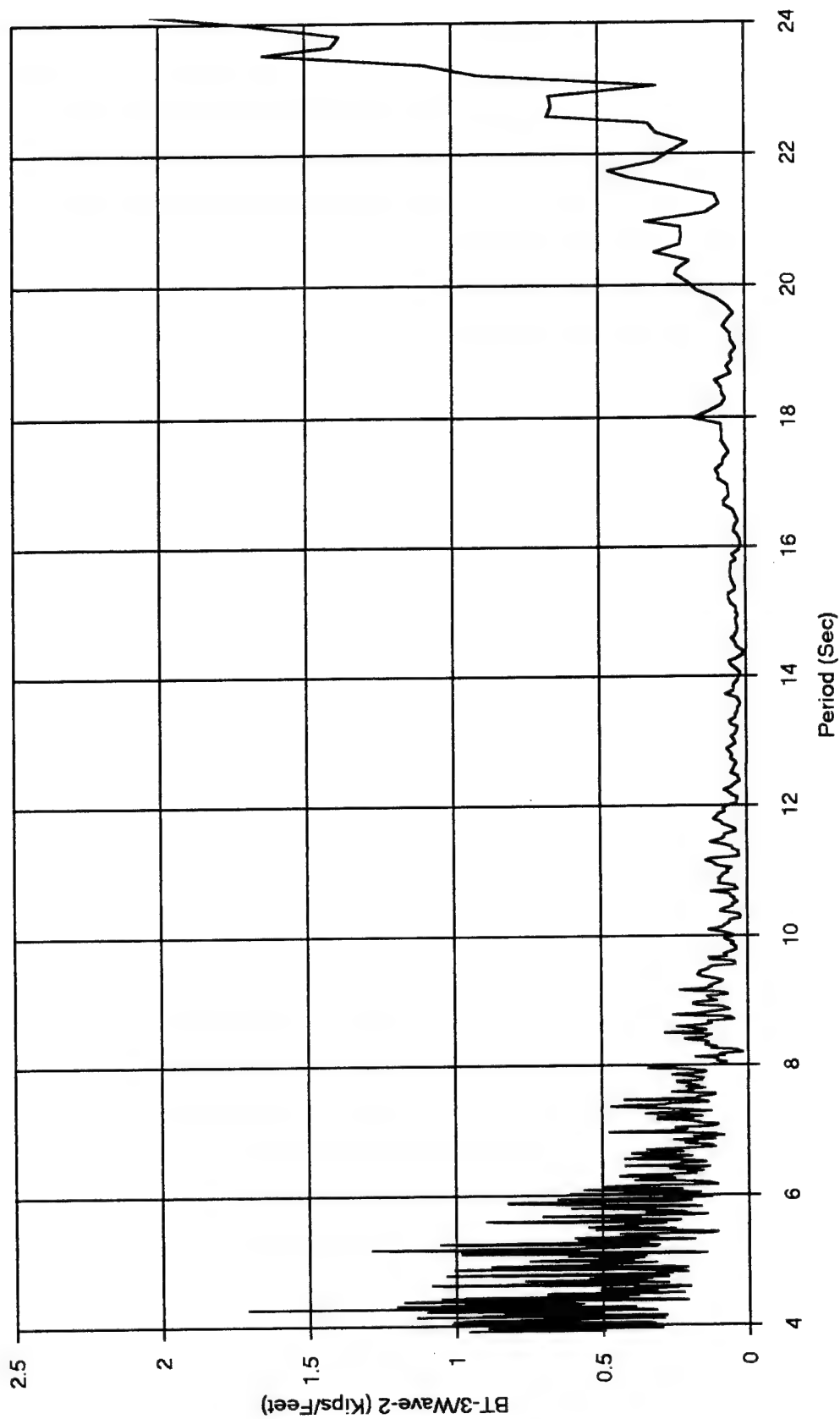
Test A809 - ML-1 RAD



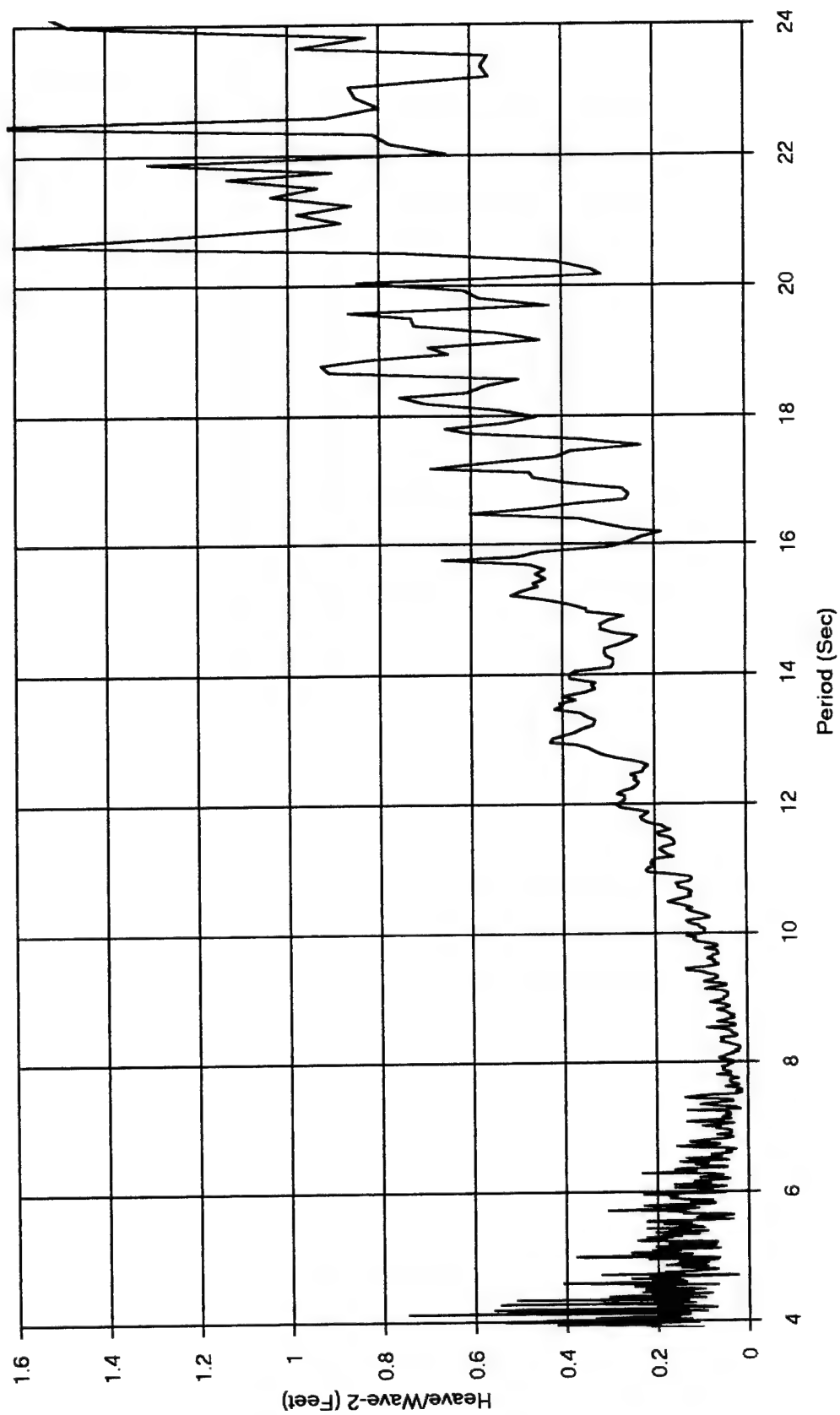
Test A809-BT-1 RAD



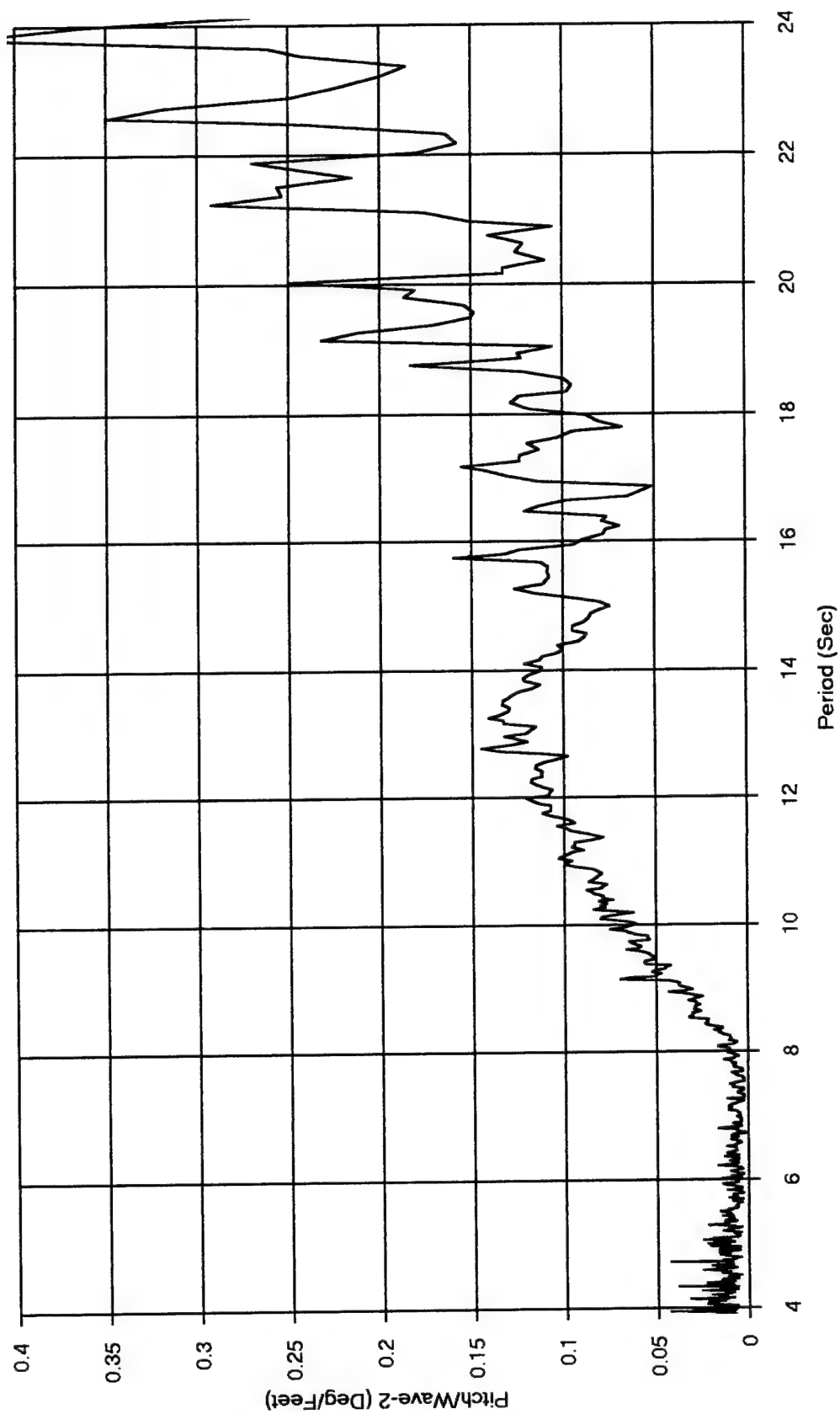
Test A809 - BT-3 RAD



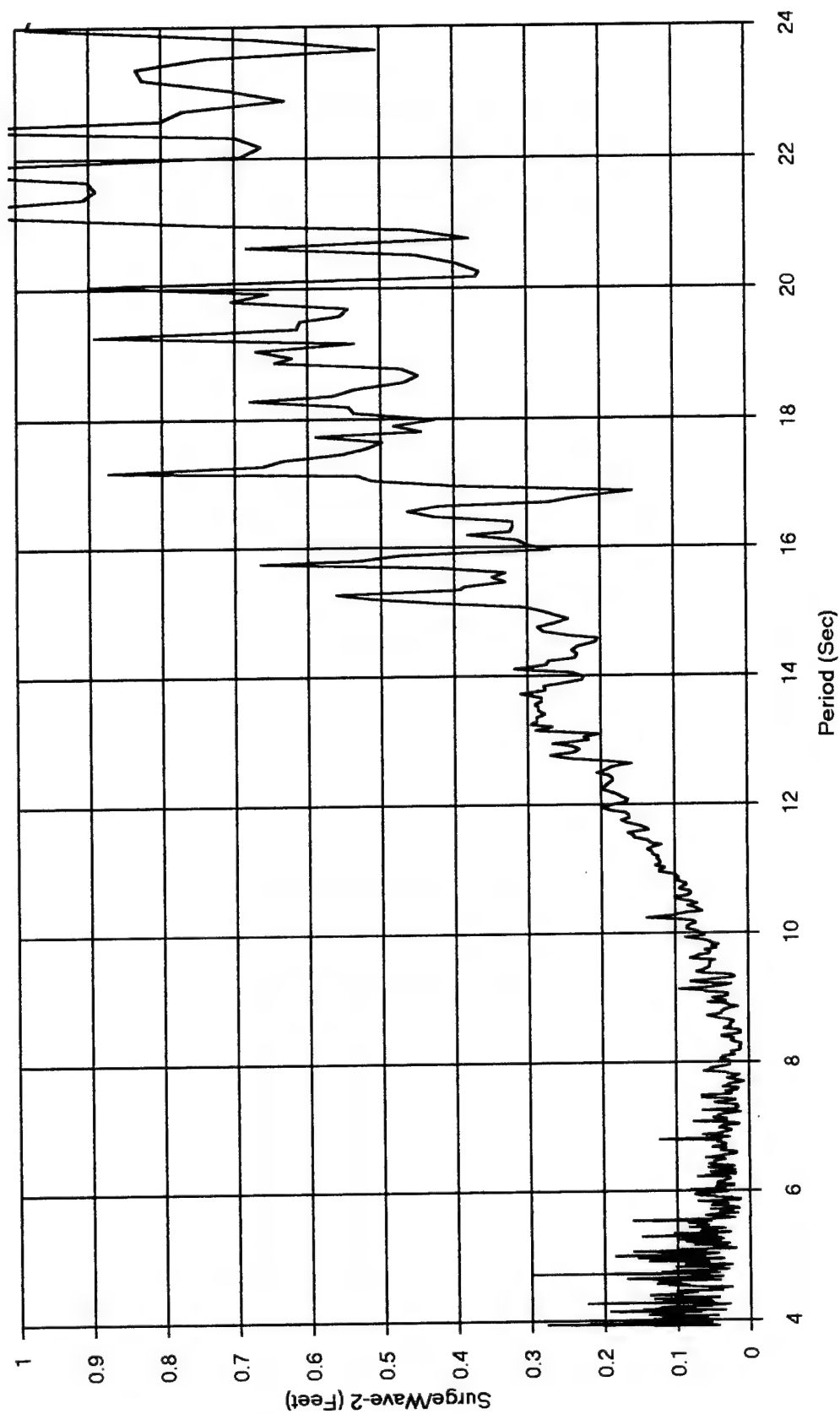
Test A908 - HEAVE RAD



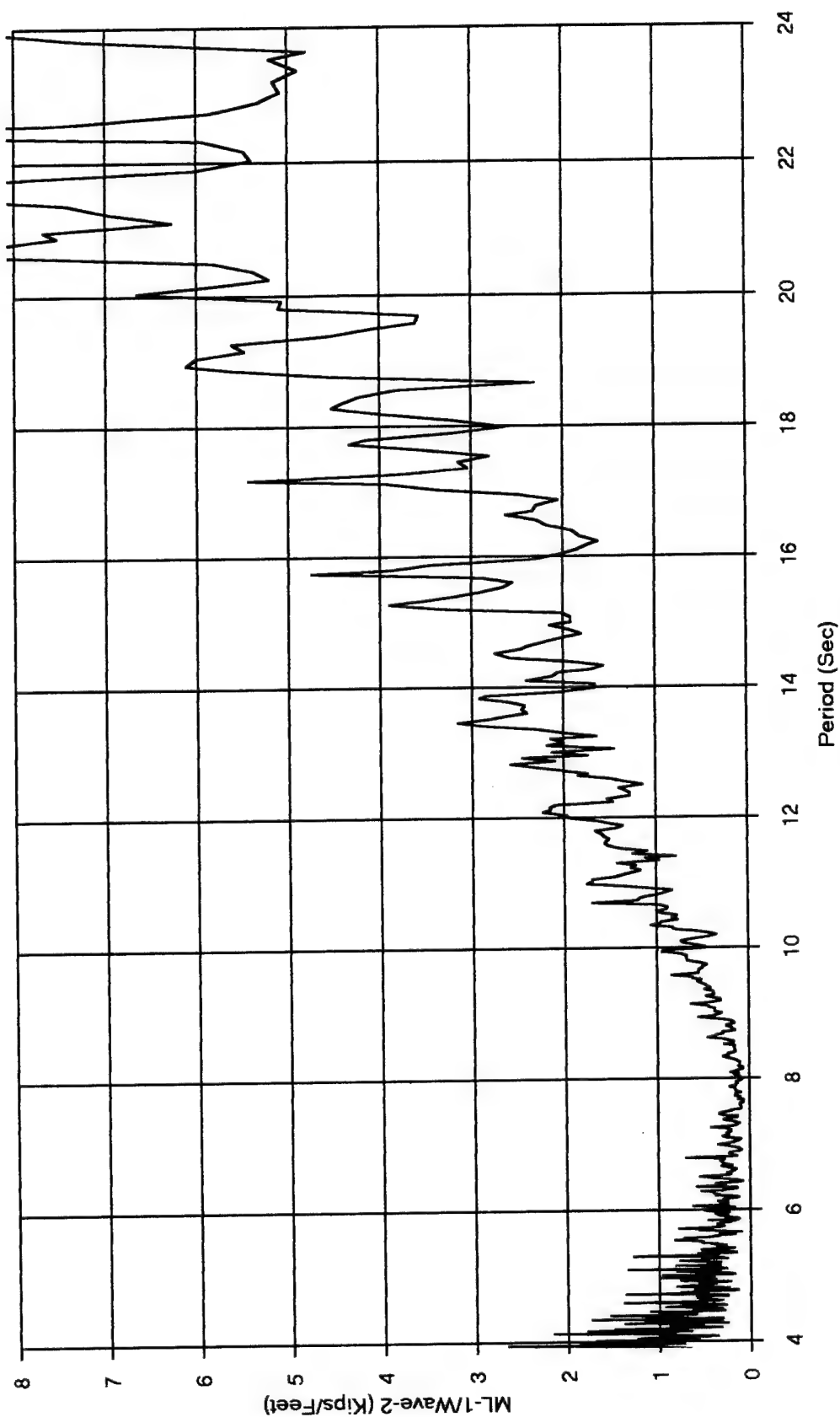
Test A908- PITCH RAO



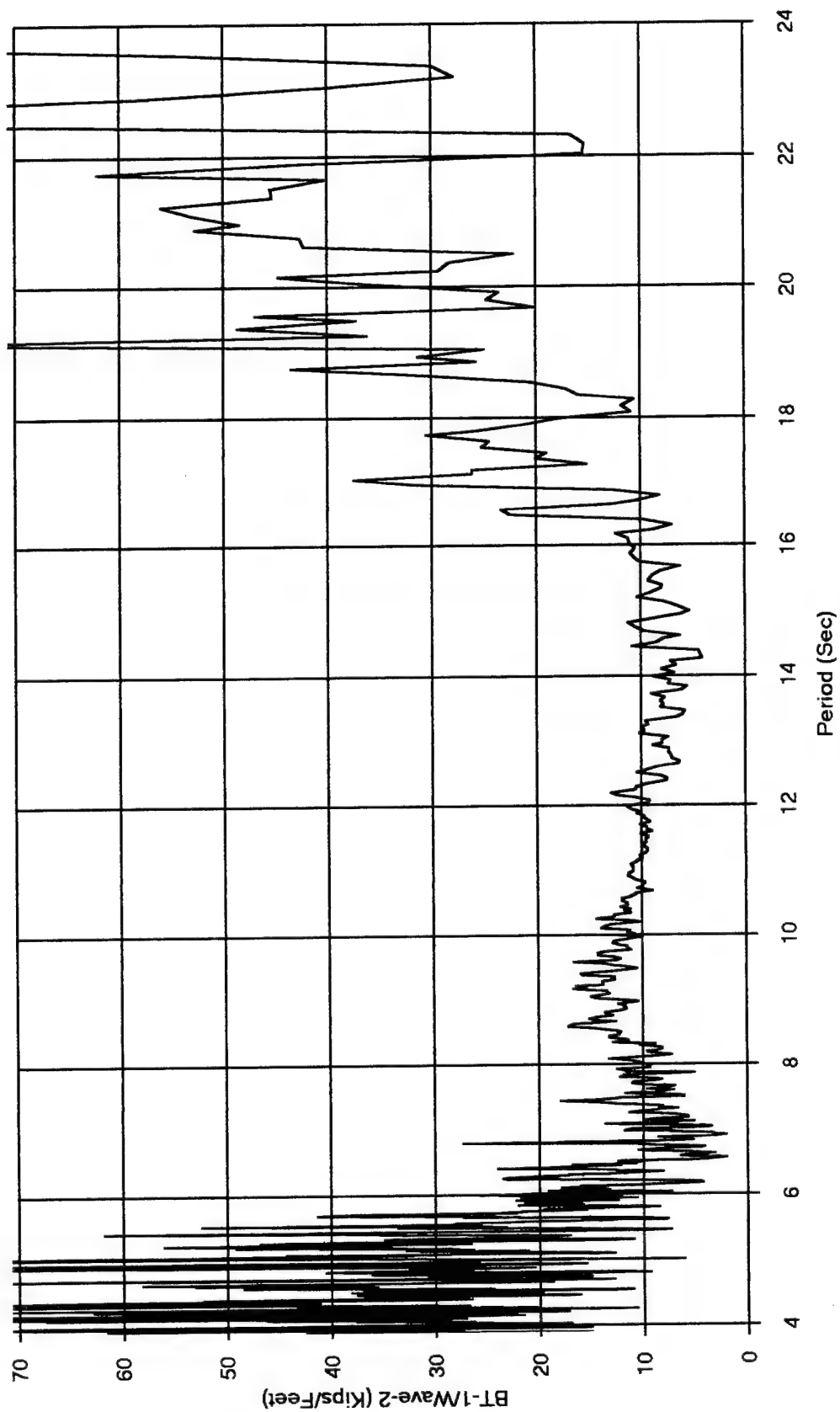
Test A908 - SURGE RAD



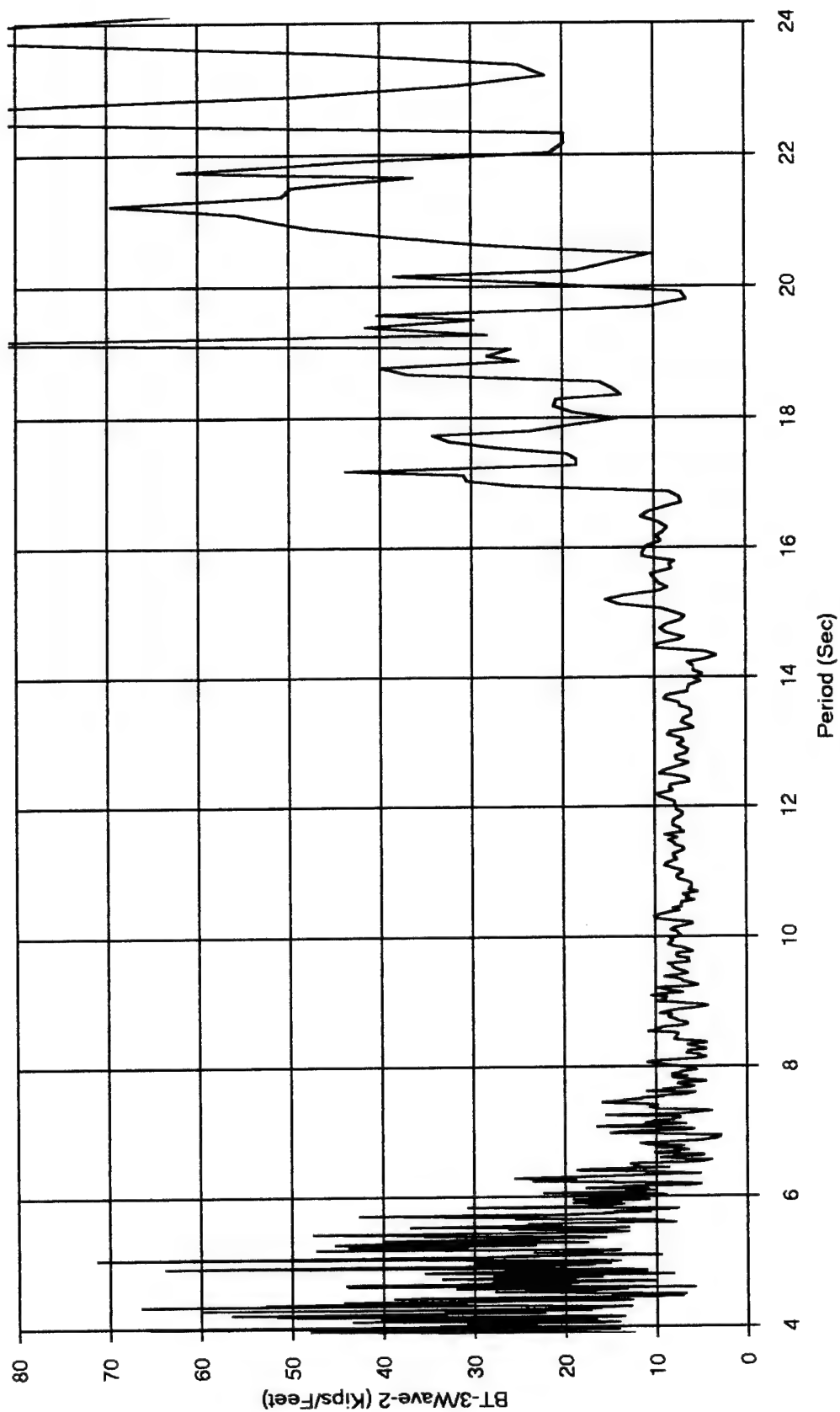
Test A908 - ML-1 RAD



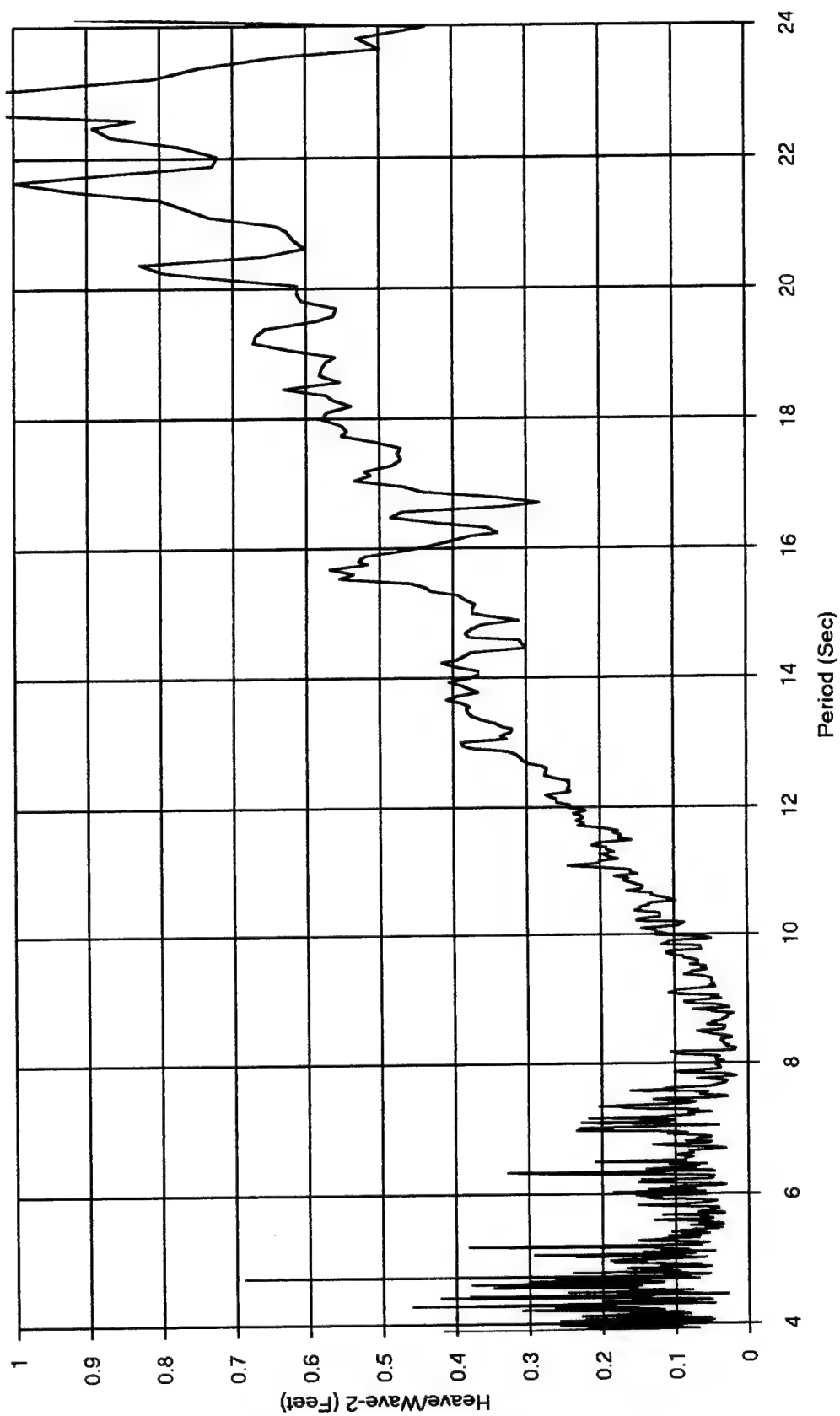
Test A908 - BT-1 RAO



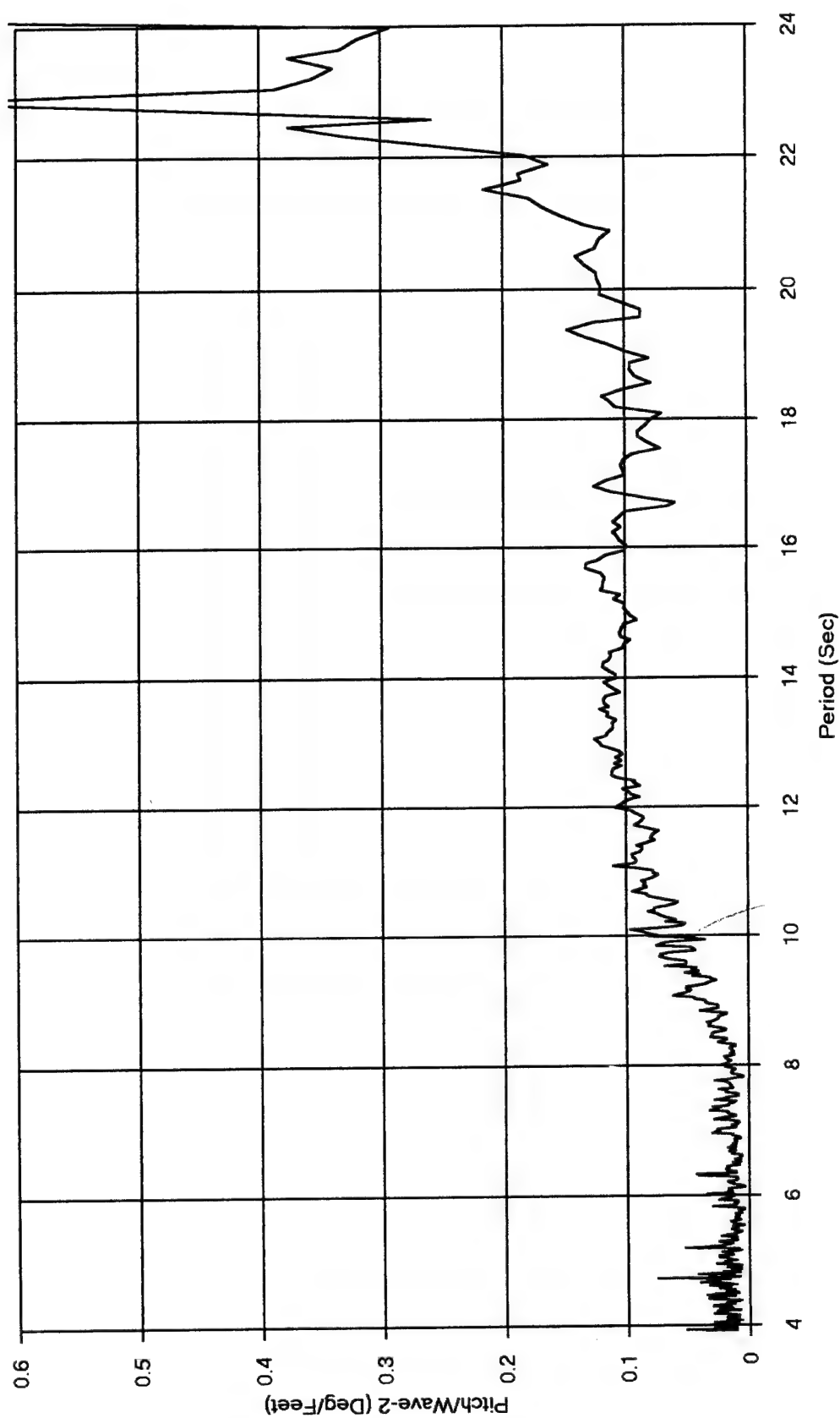
Test A908 - BT-3 RAD



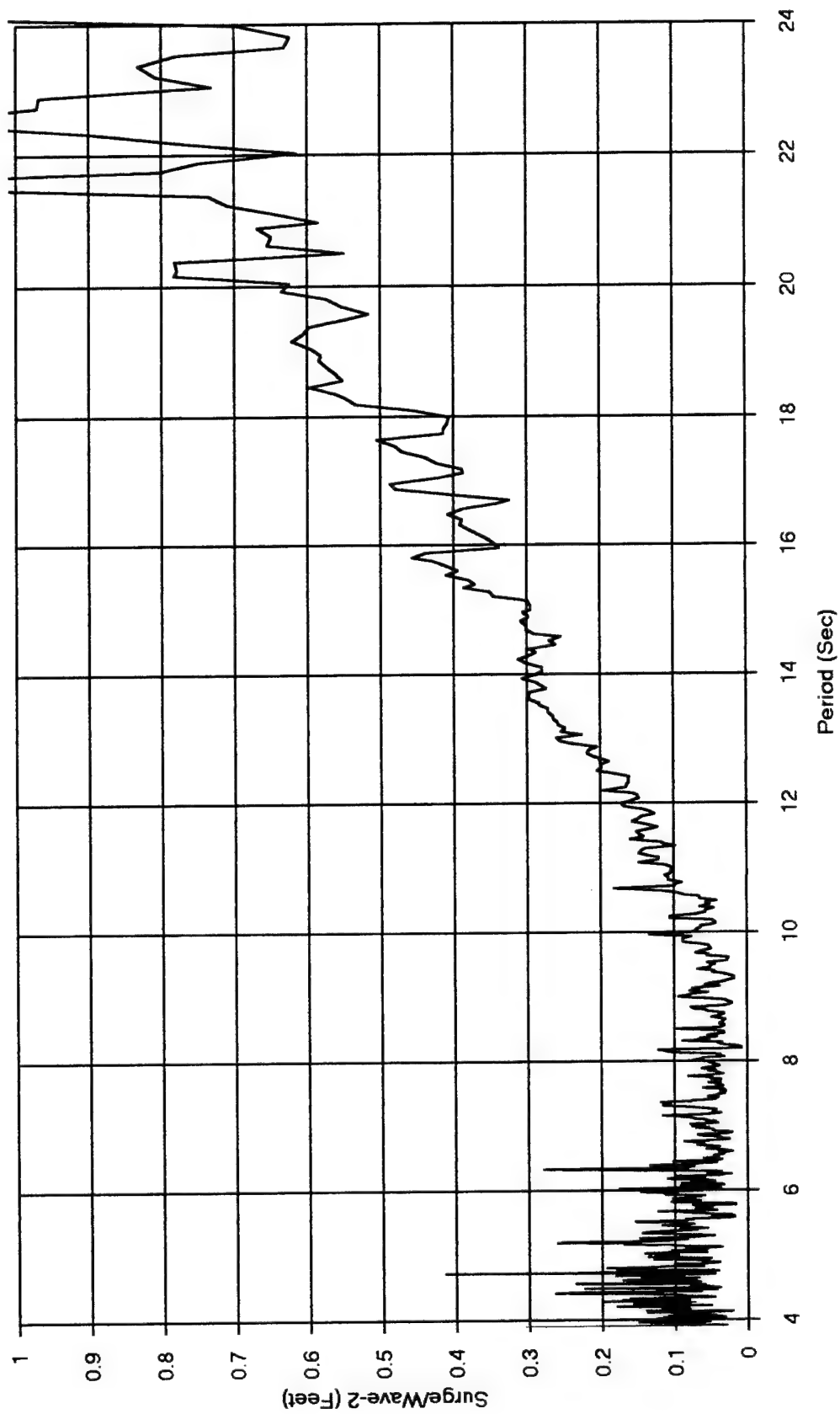
Test A909 - HEAVE RAD



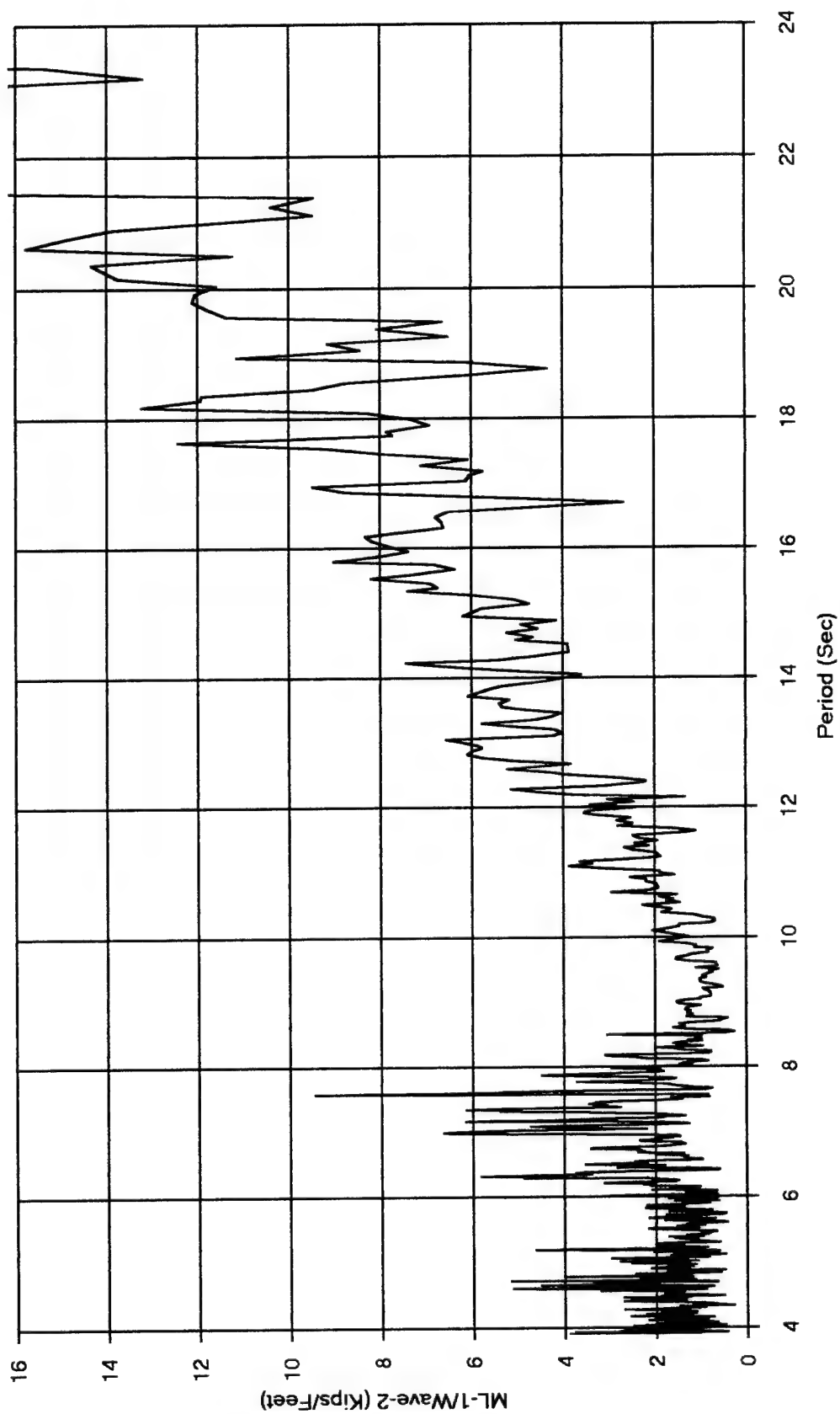
Test A909 - PITCH RAO



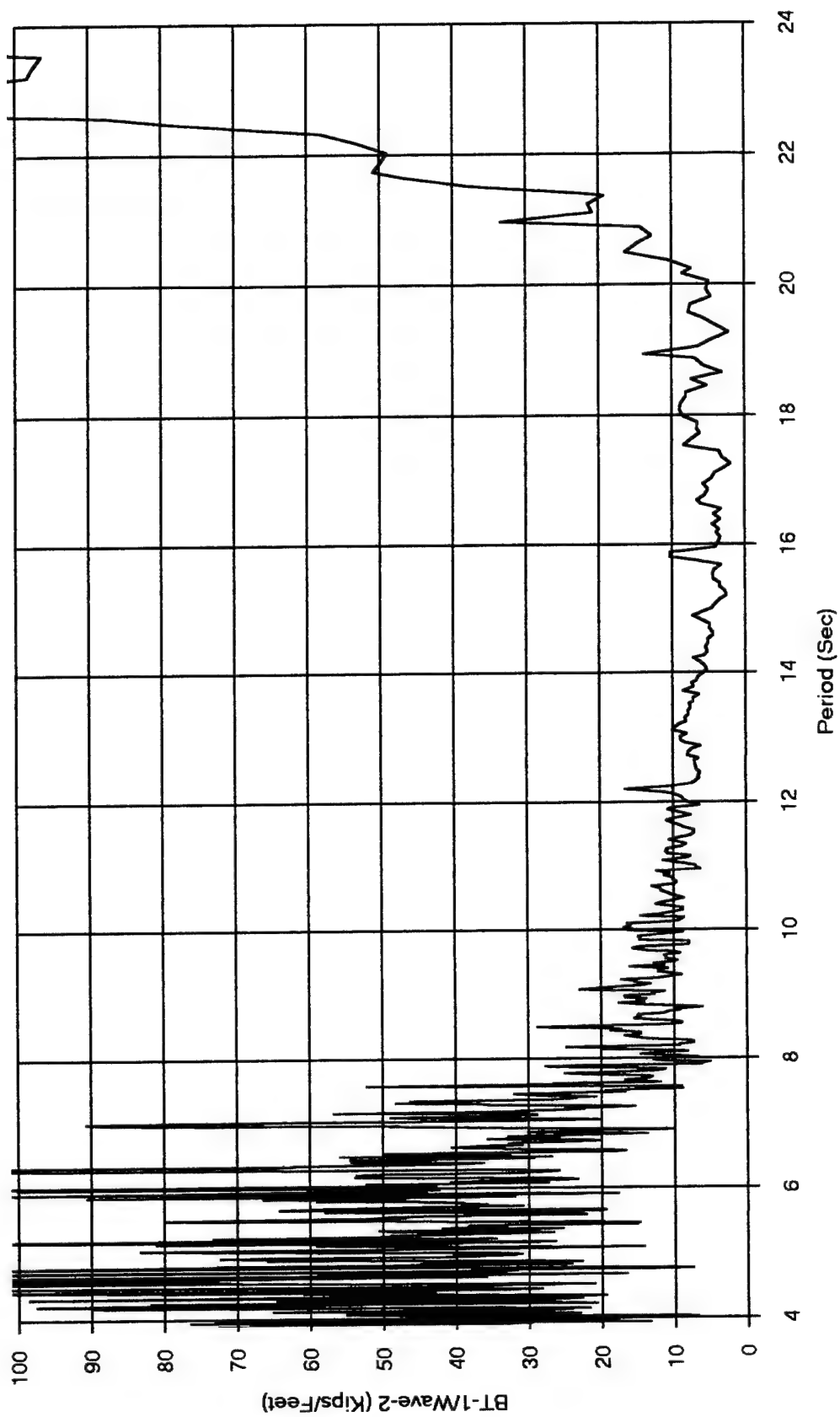
Test A909 - SURGE RAD



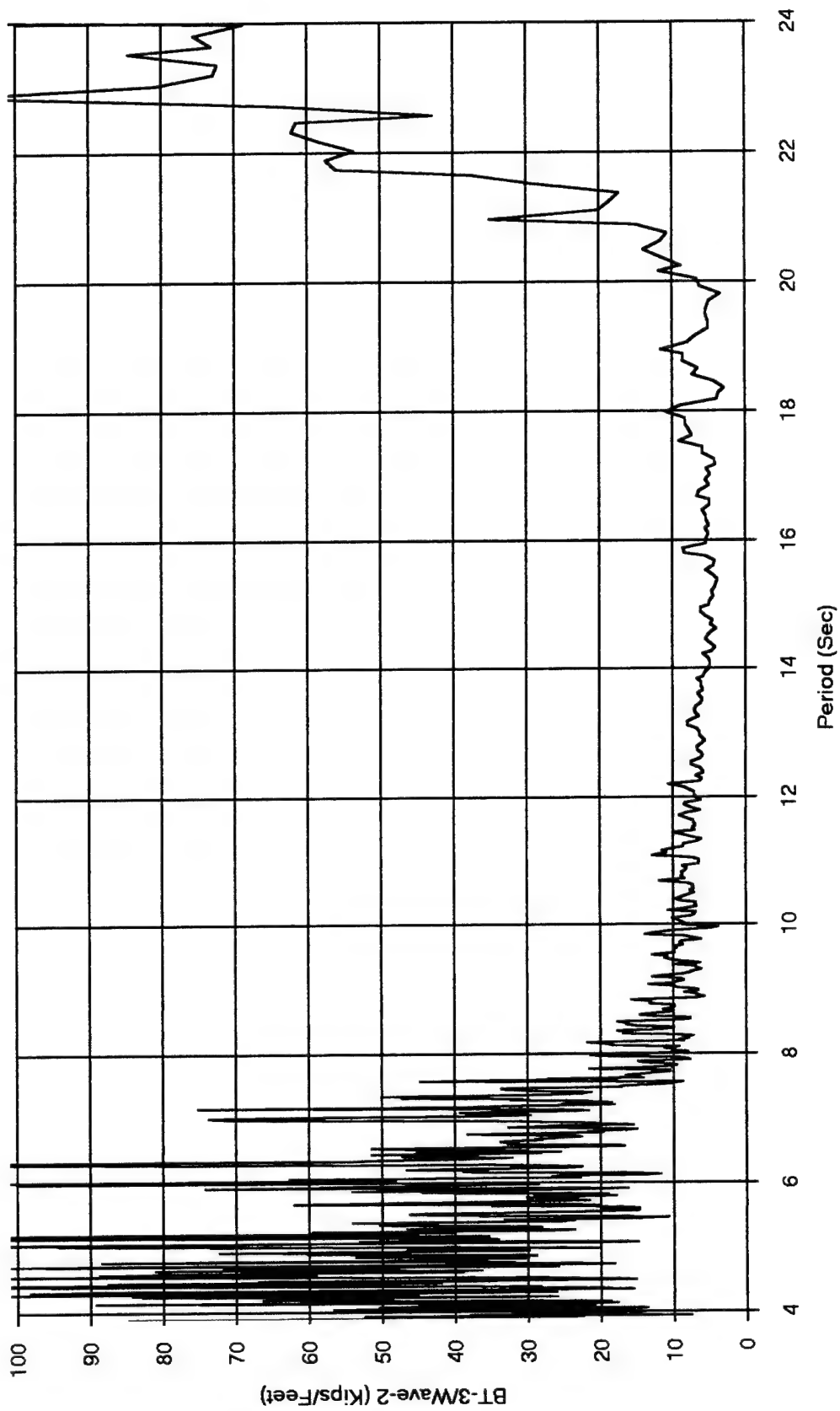
Test A909 - ML-1 RAD



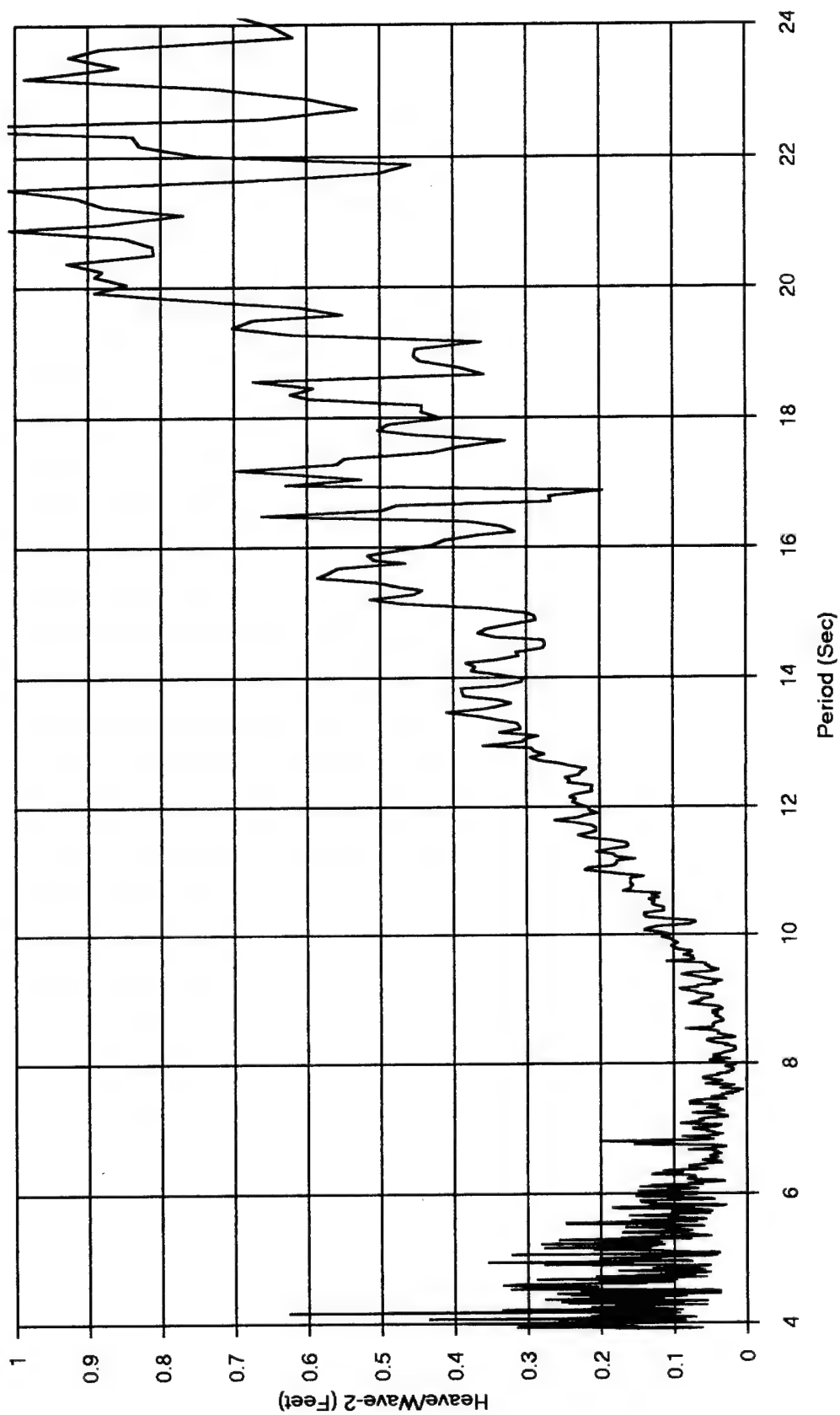
Test A909 - BT-1 RAO



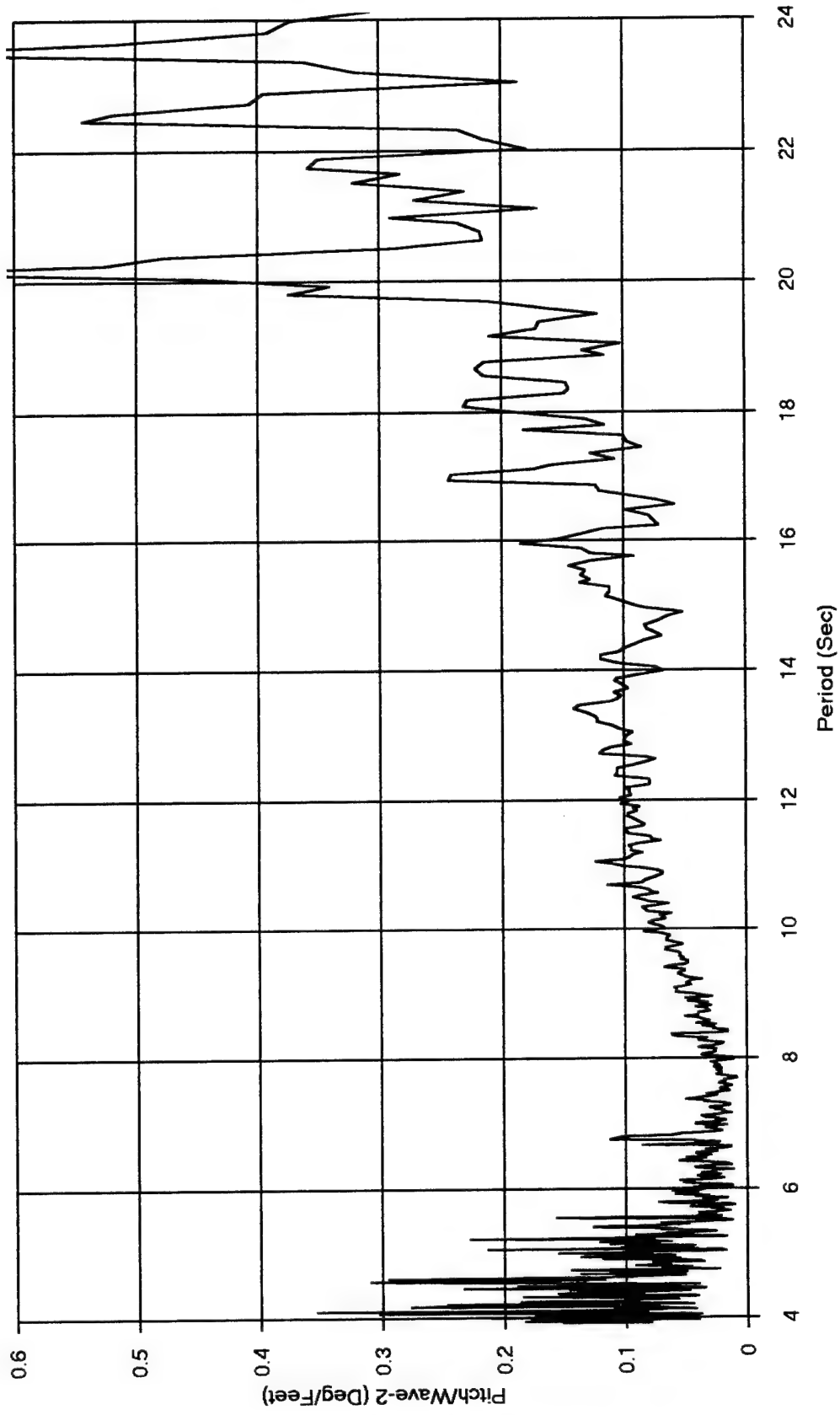
Test A909 - BT-3 RAO



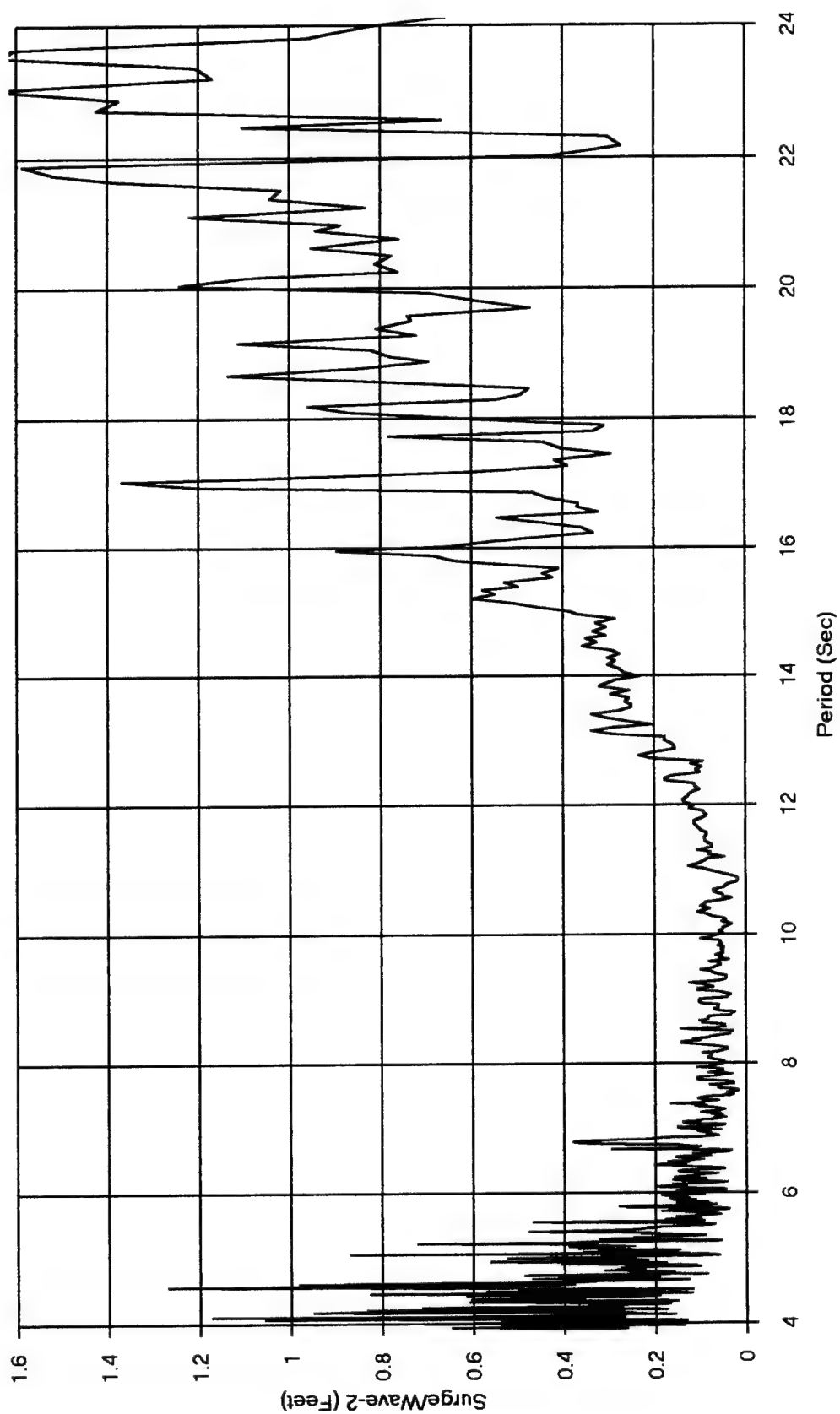
Test A1008 - HEAVE RAO



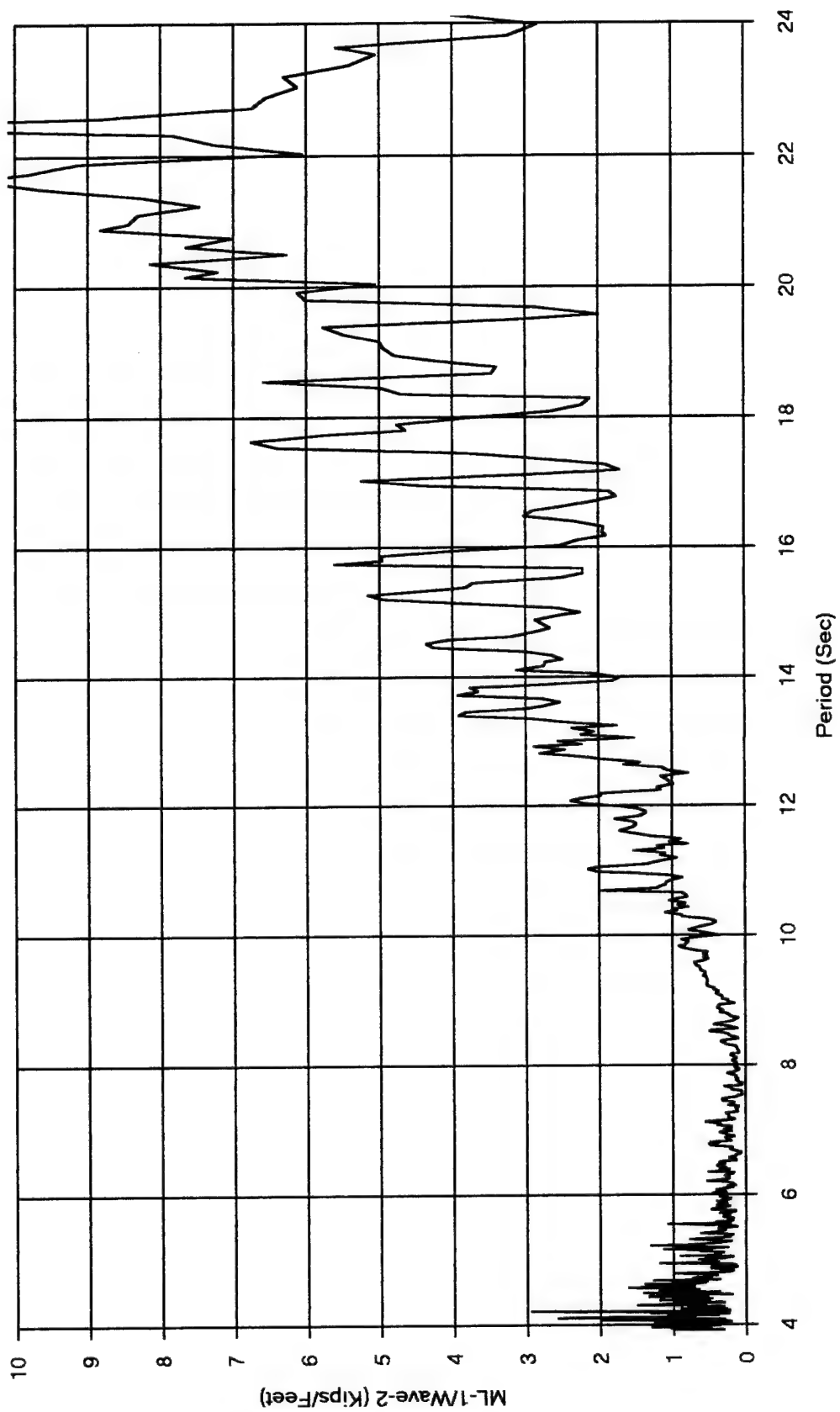
Test A1008 - PITCH RAD



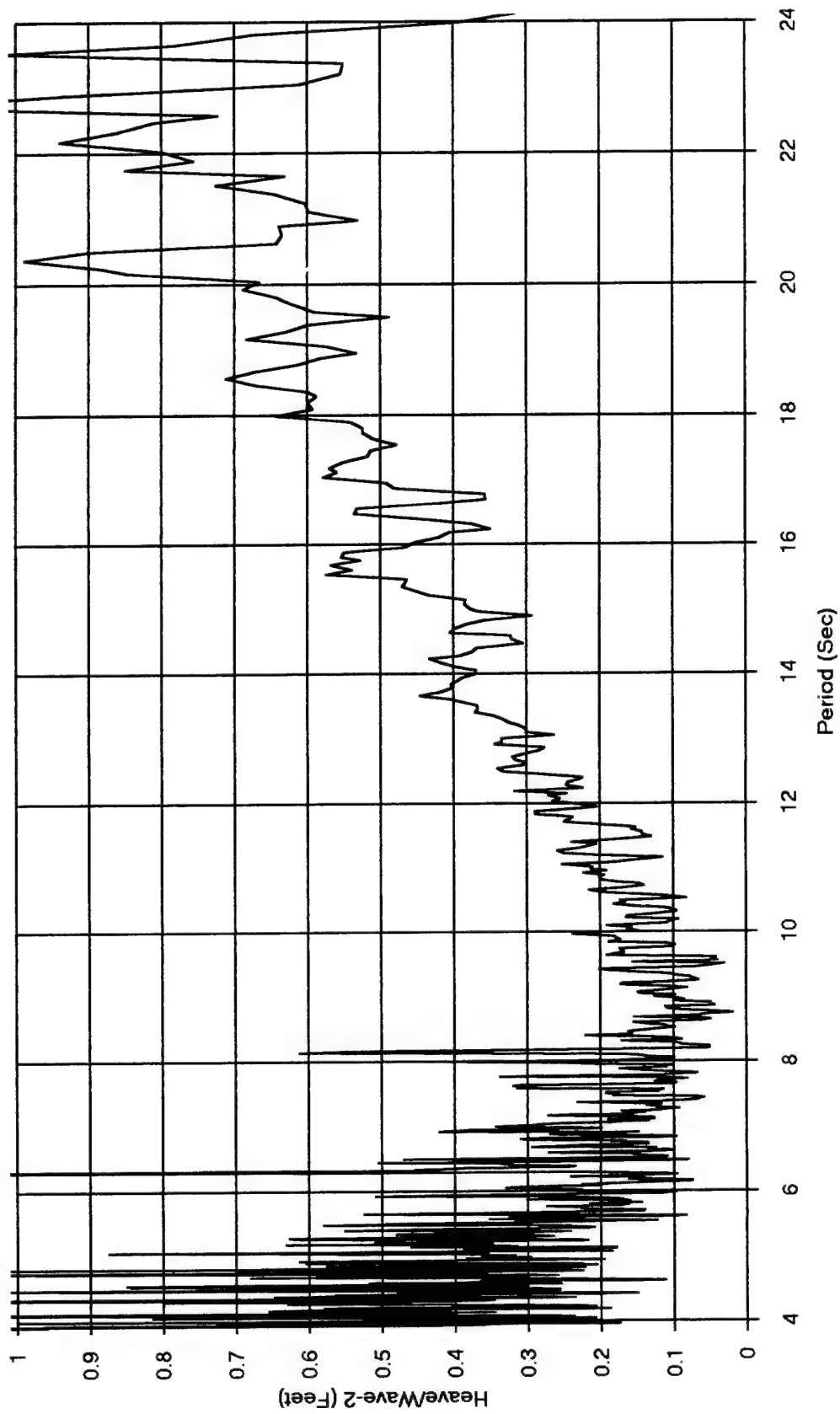
Test A1008 - SURGE RAO



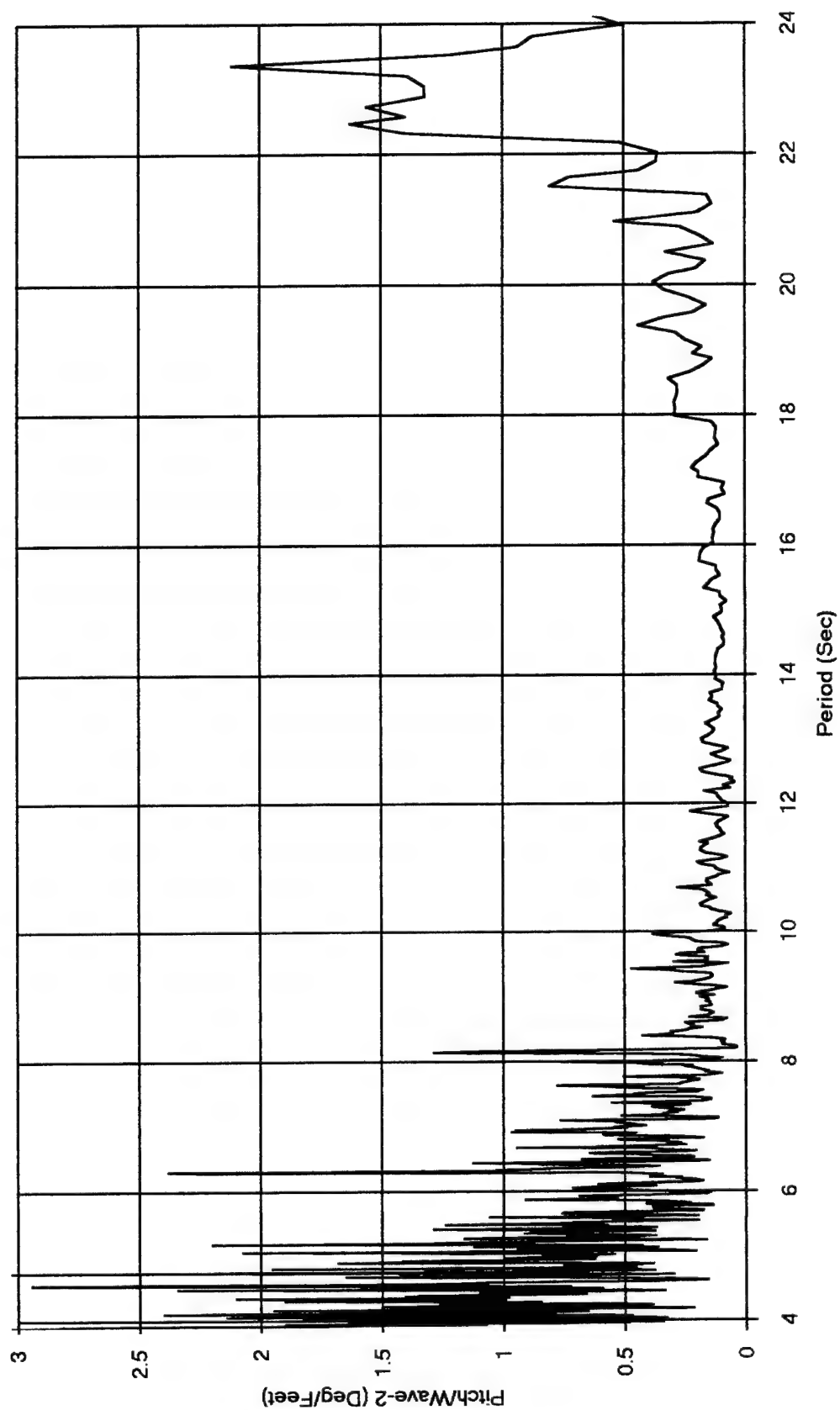
Test A1008 - ML-1 RAO



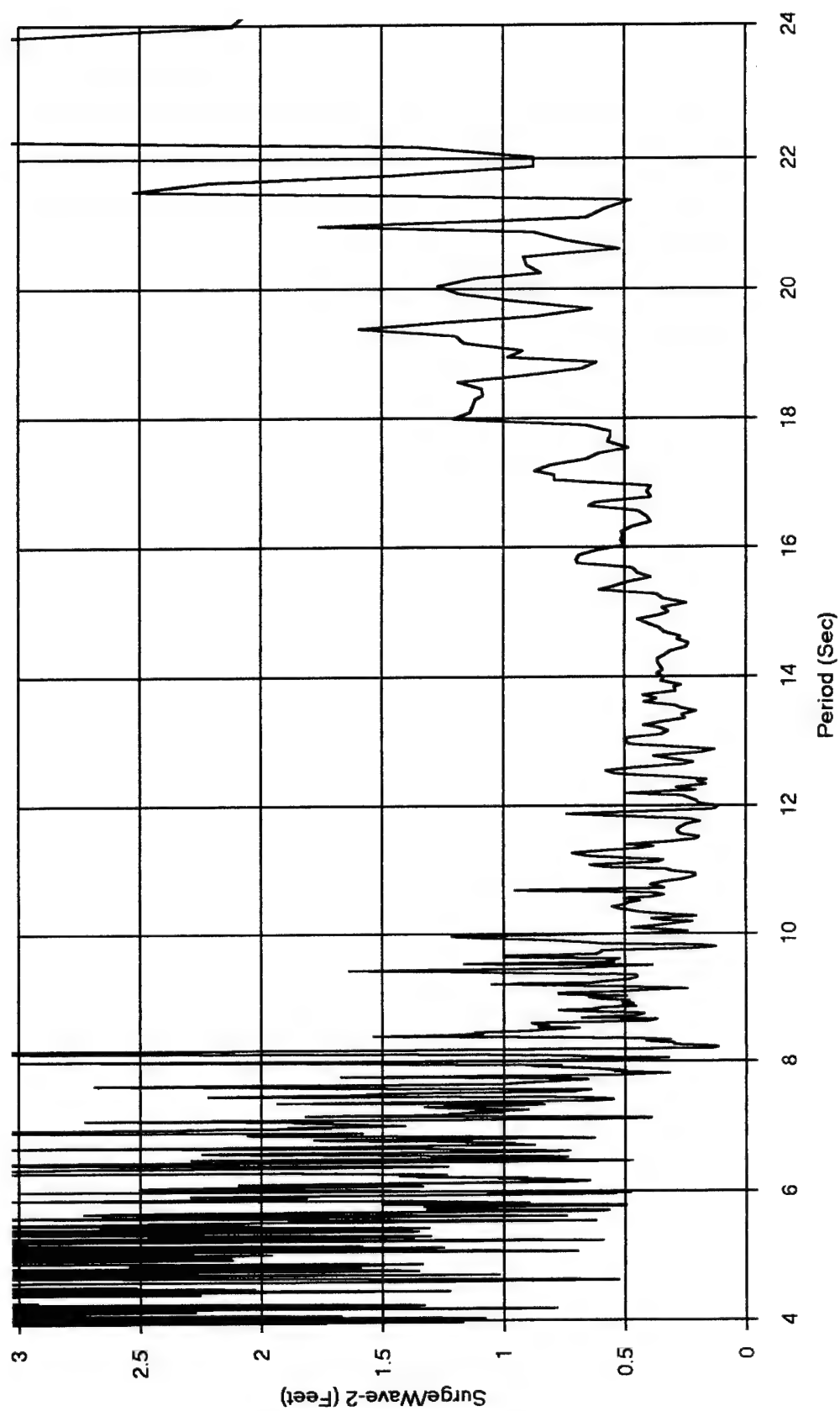
Test A1009 - HEAVE RAO



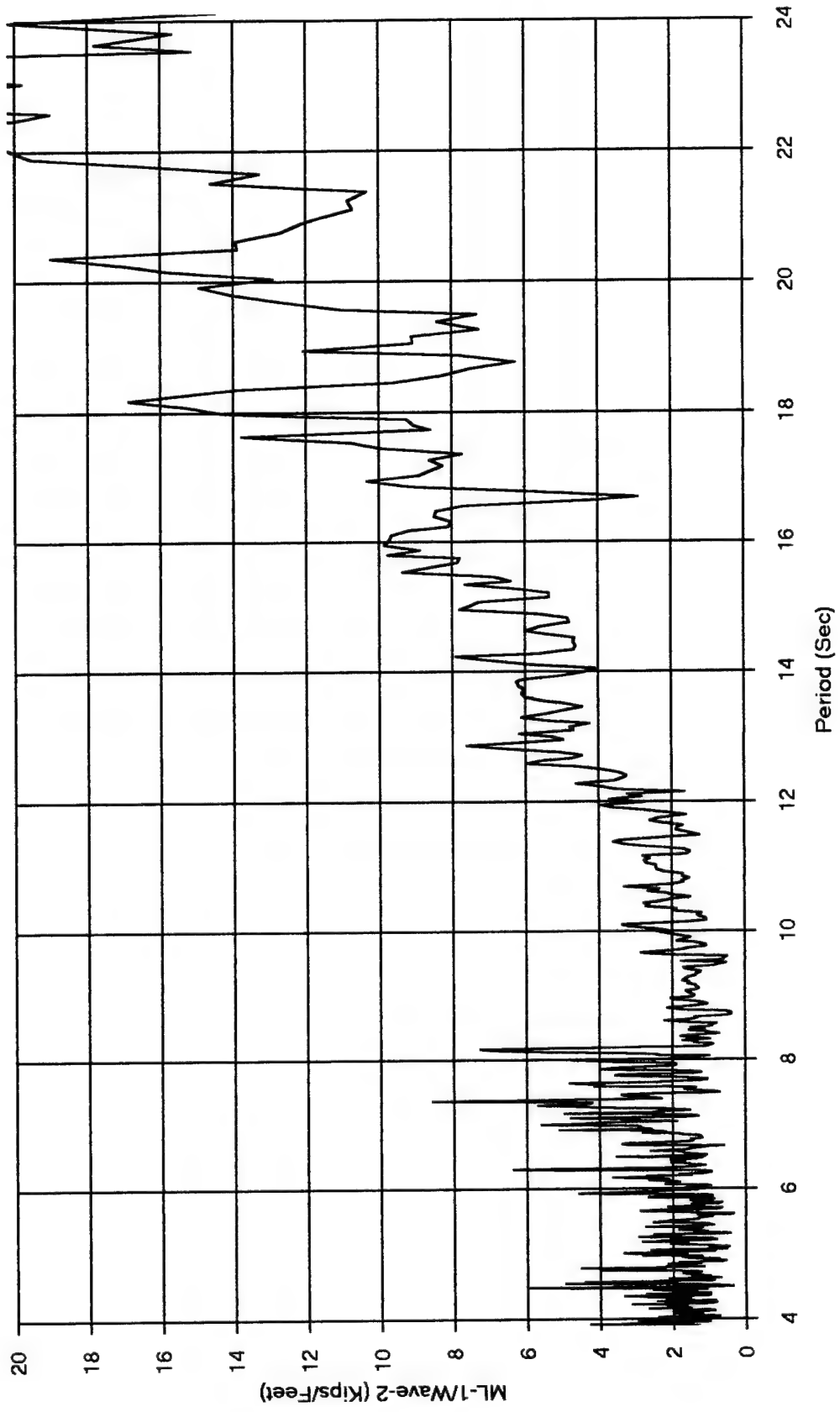
Test A1009 - PITCH RAO



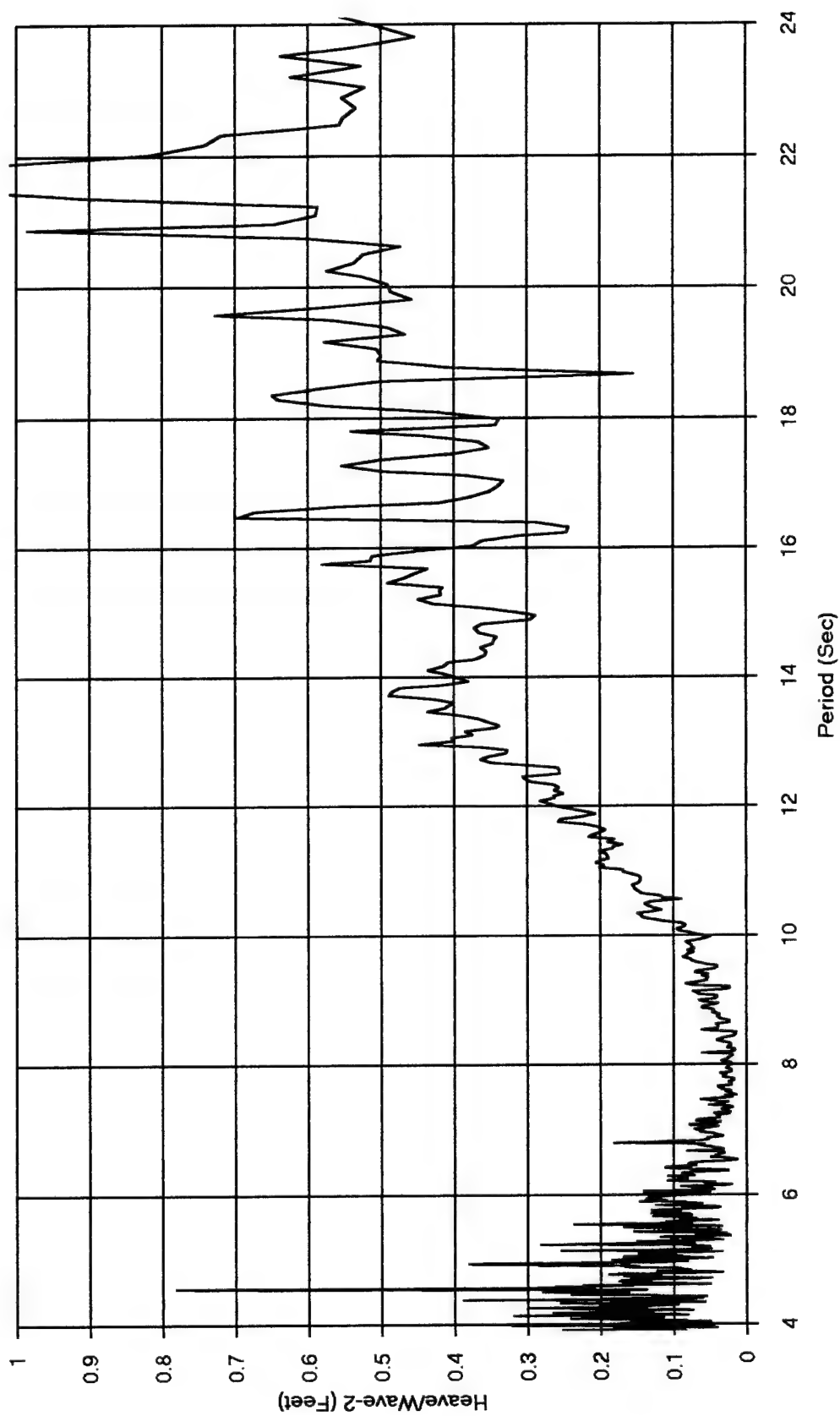
Test A1009 - SURGE RAO



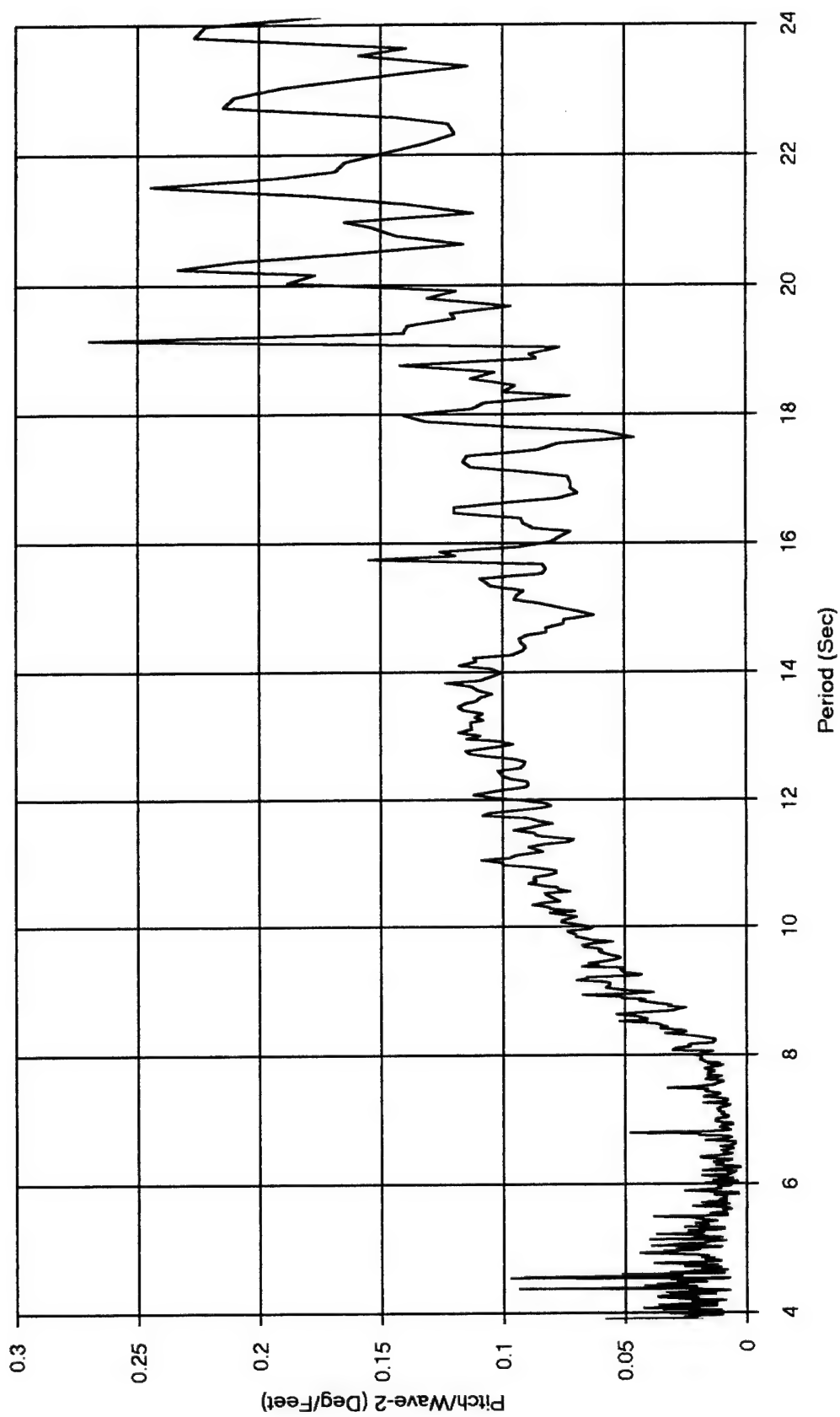
Test A1009 - ML-1 RAO



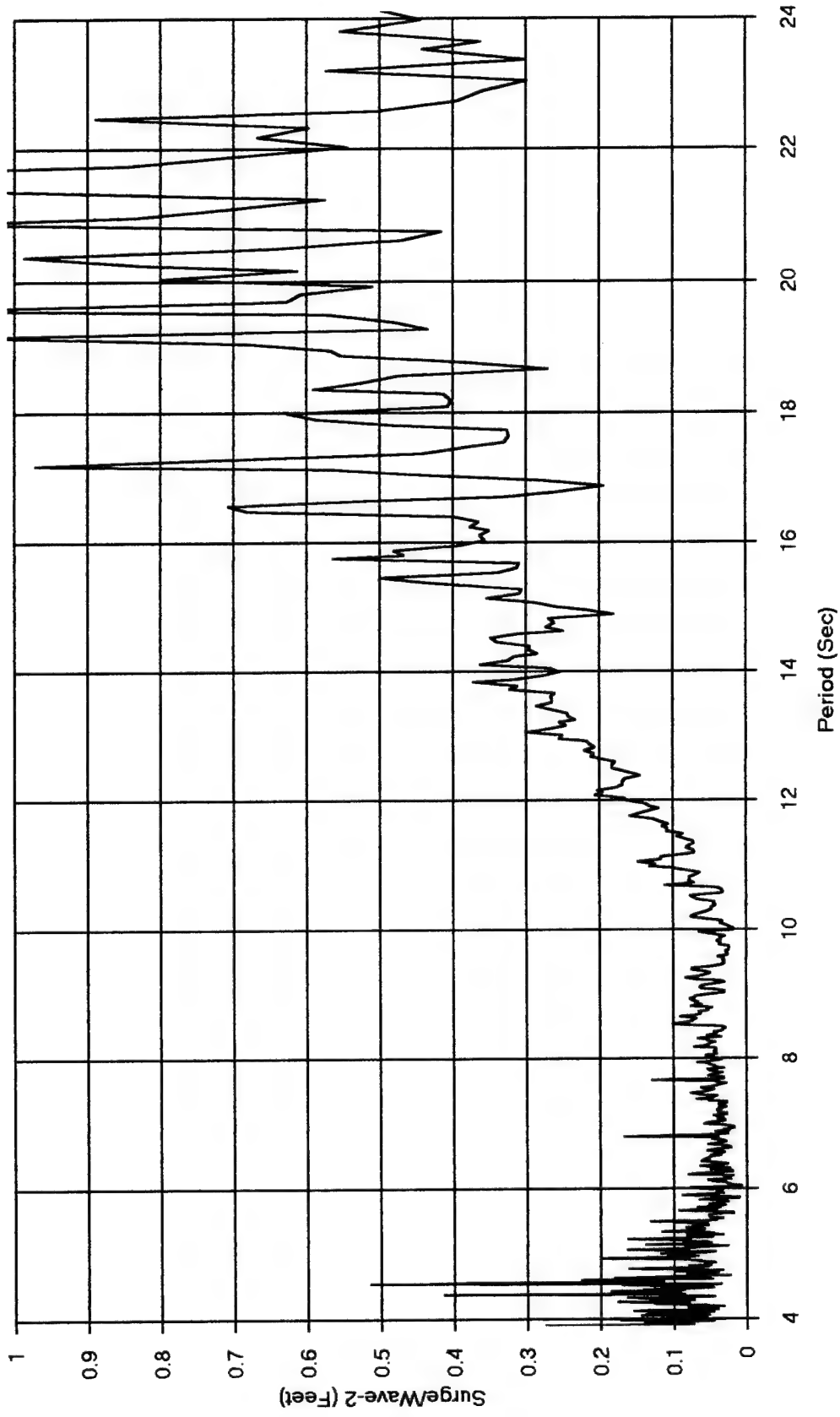
Test A1108 - HEAVE RAO



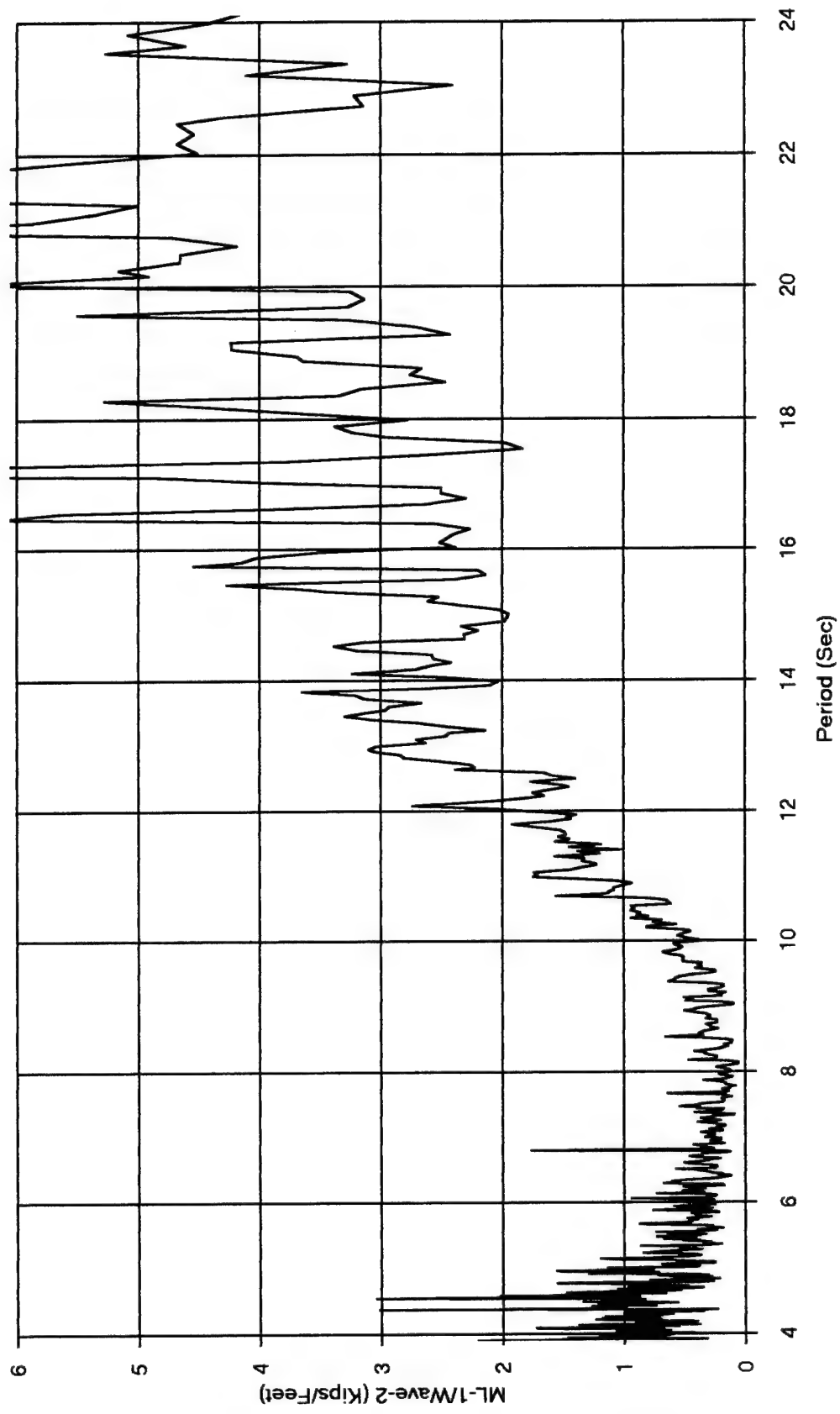
Test A1108 - PITCH RAO



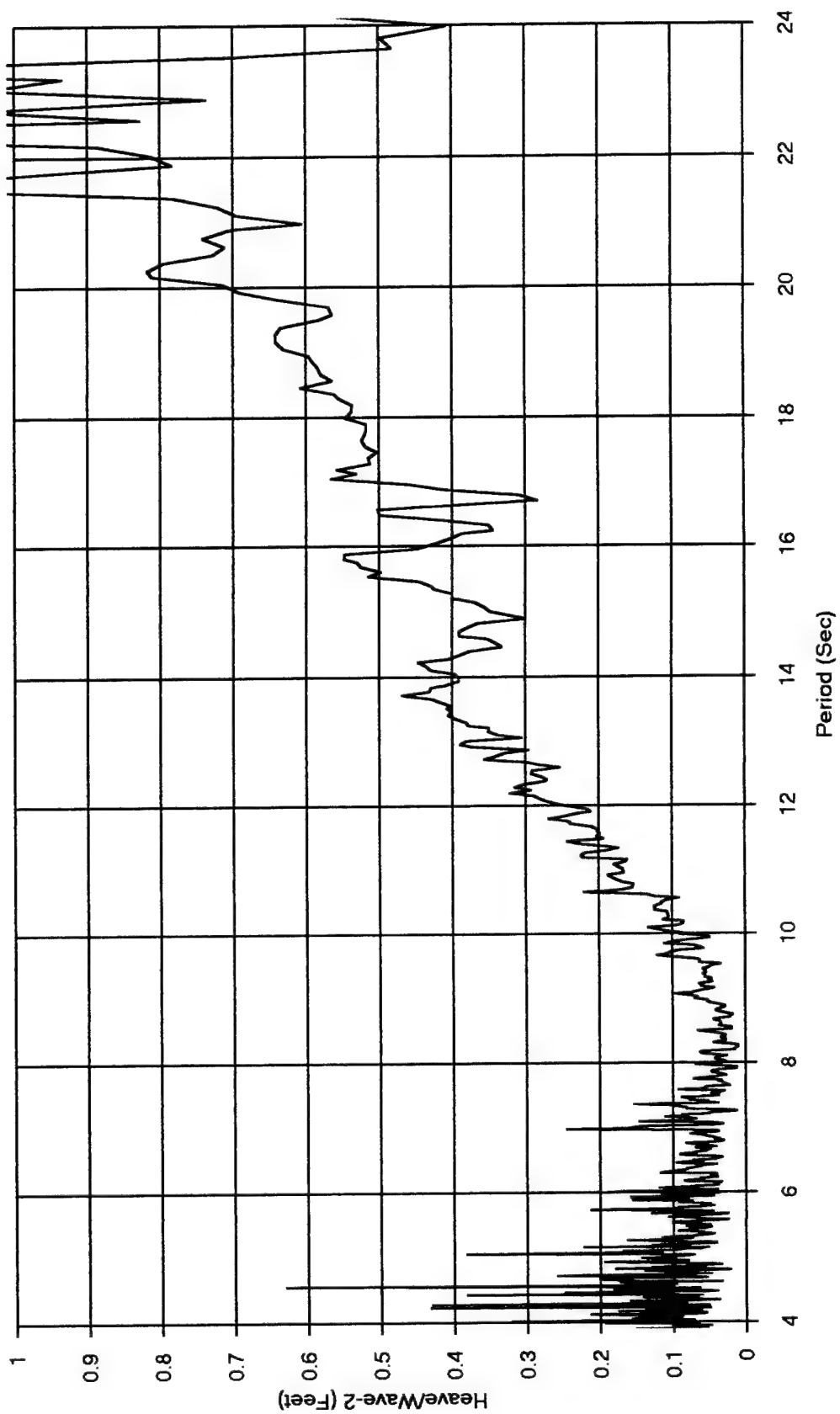
Test A1108 - SURGE RAO



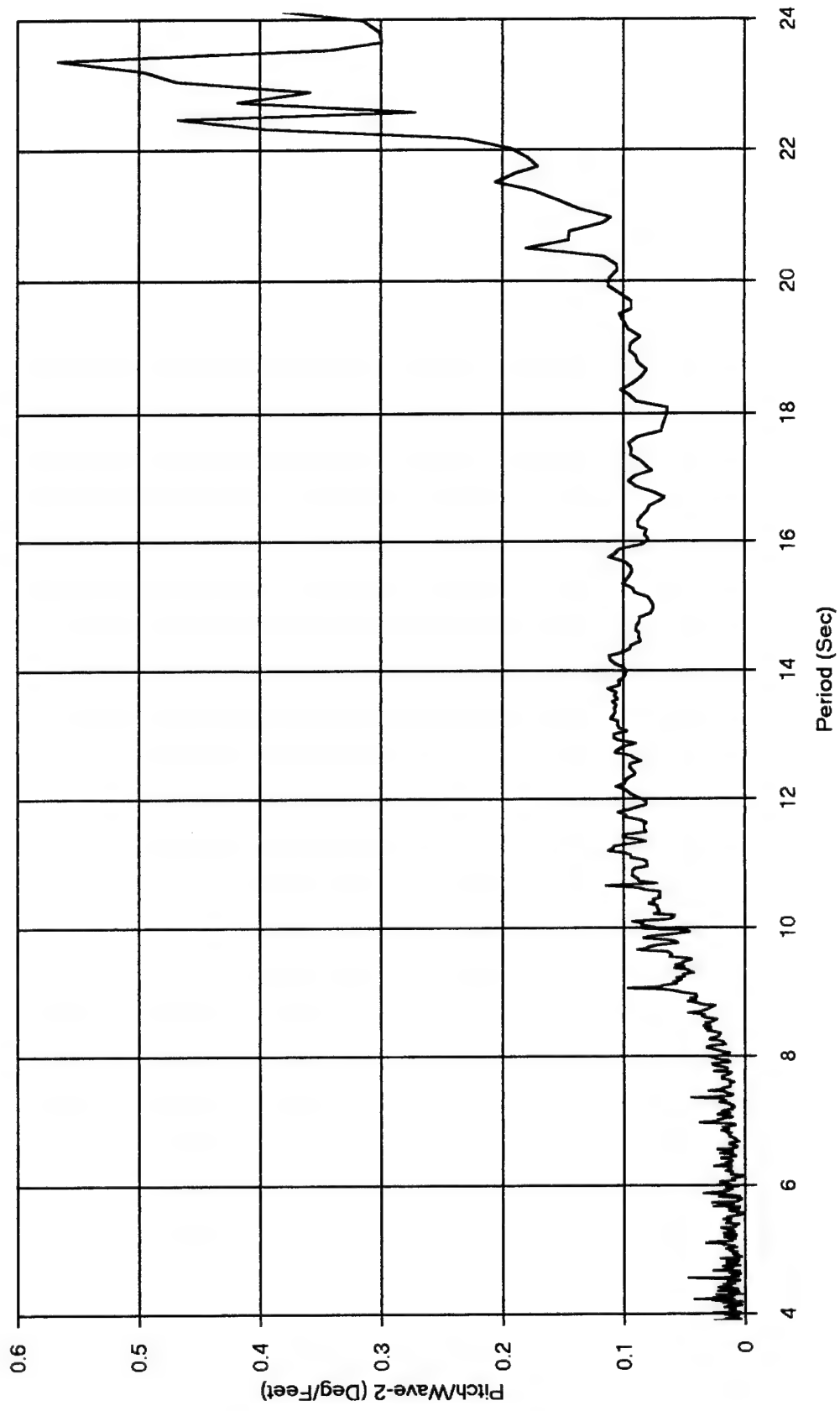
Test A1108 - ML-1 RAO



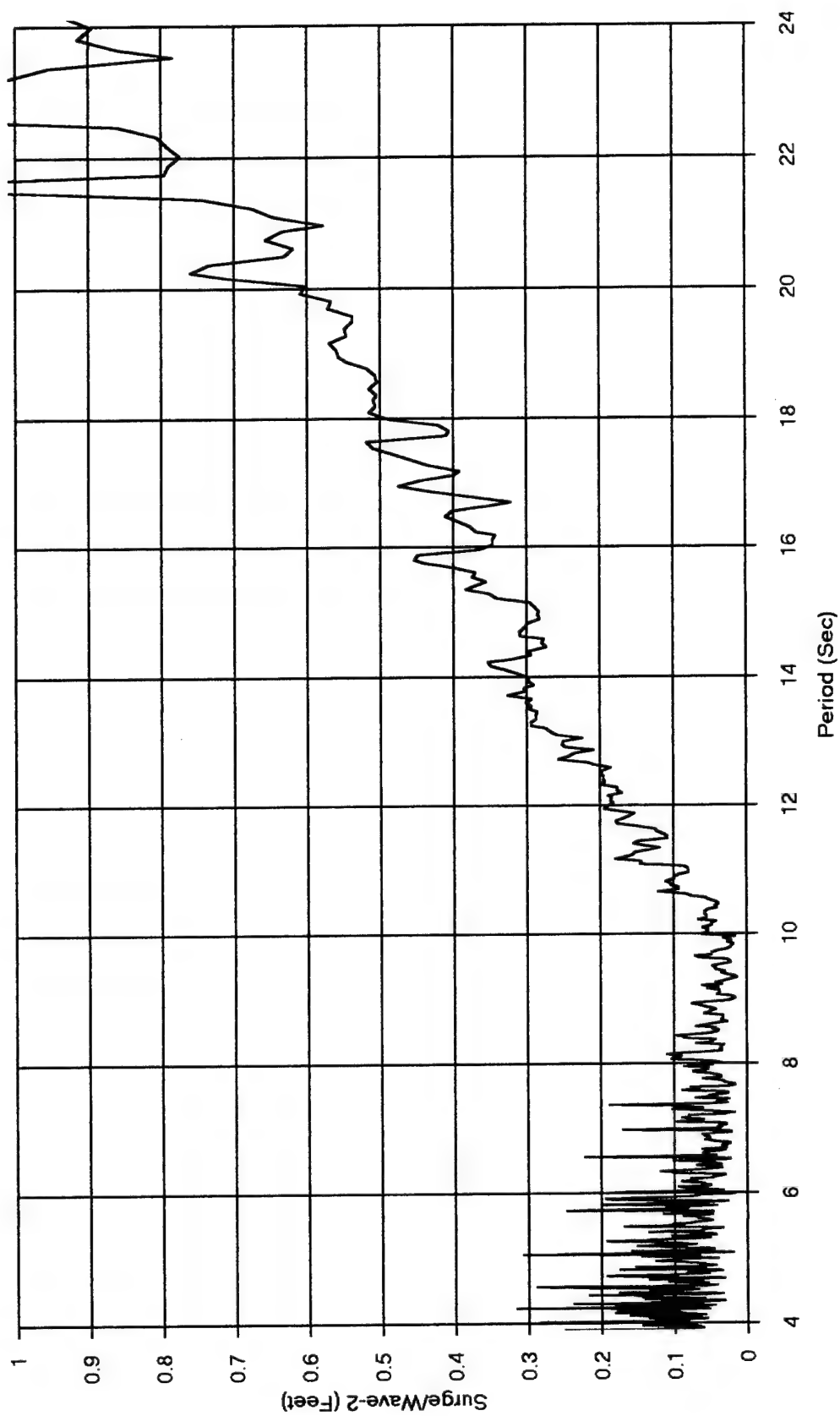
Test A1109 - HEAVE RAO



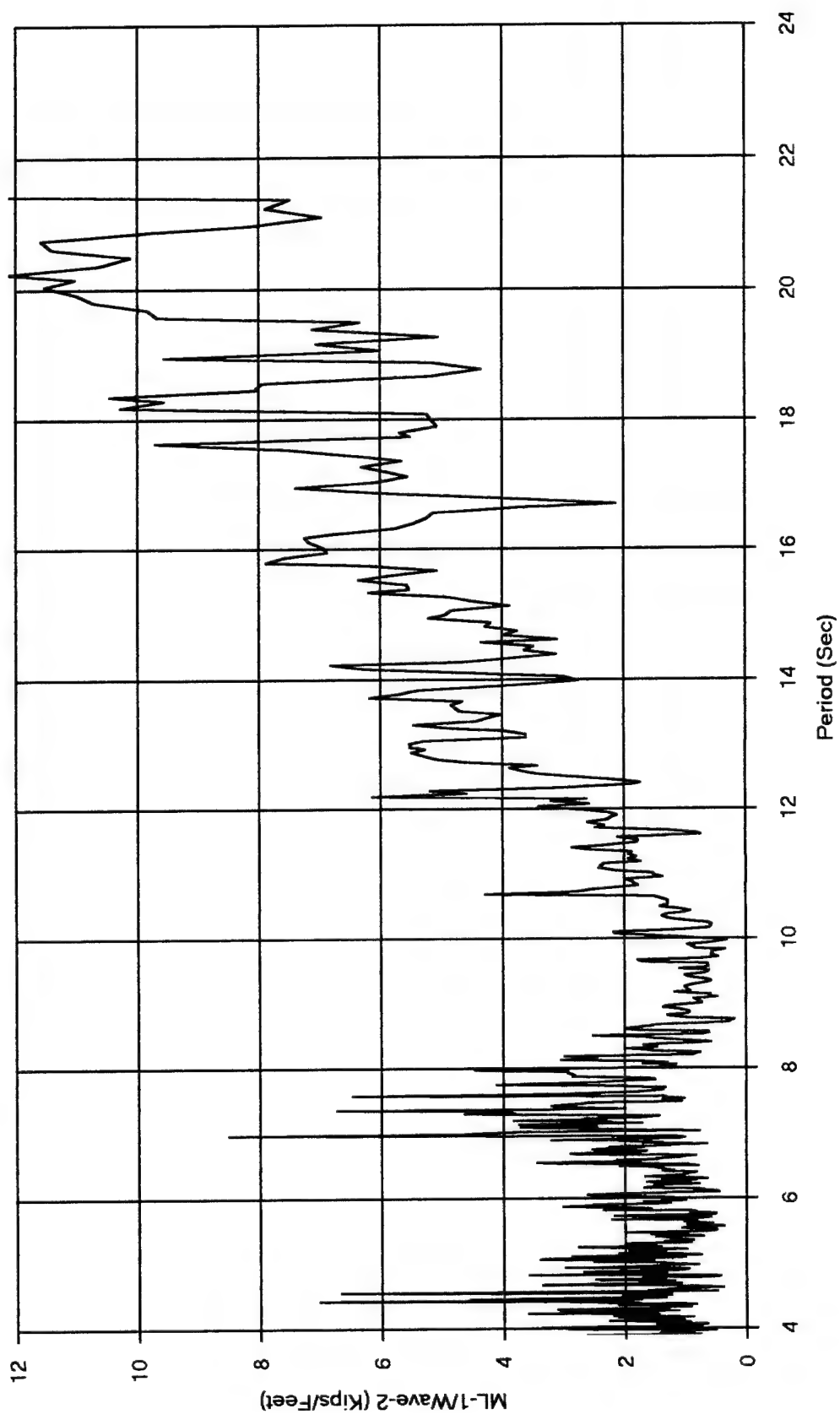
Test A1109 - PITCH RAD



Test A1109 - SURGE RAO



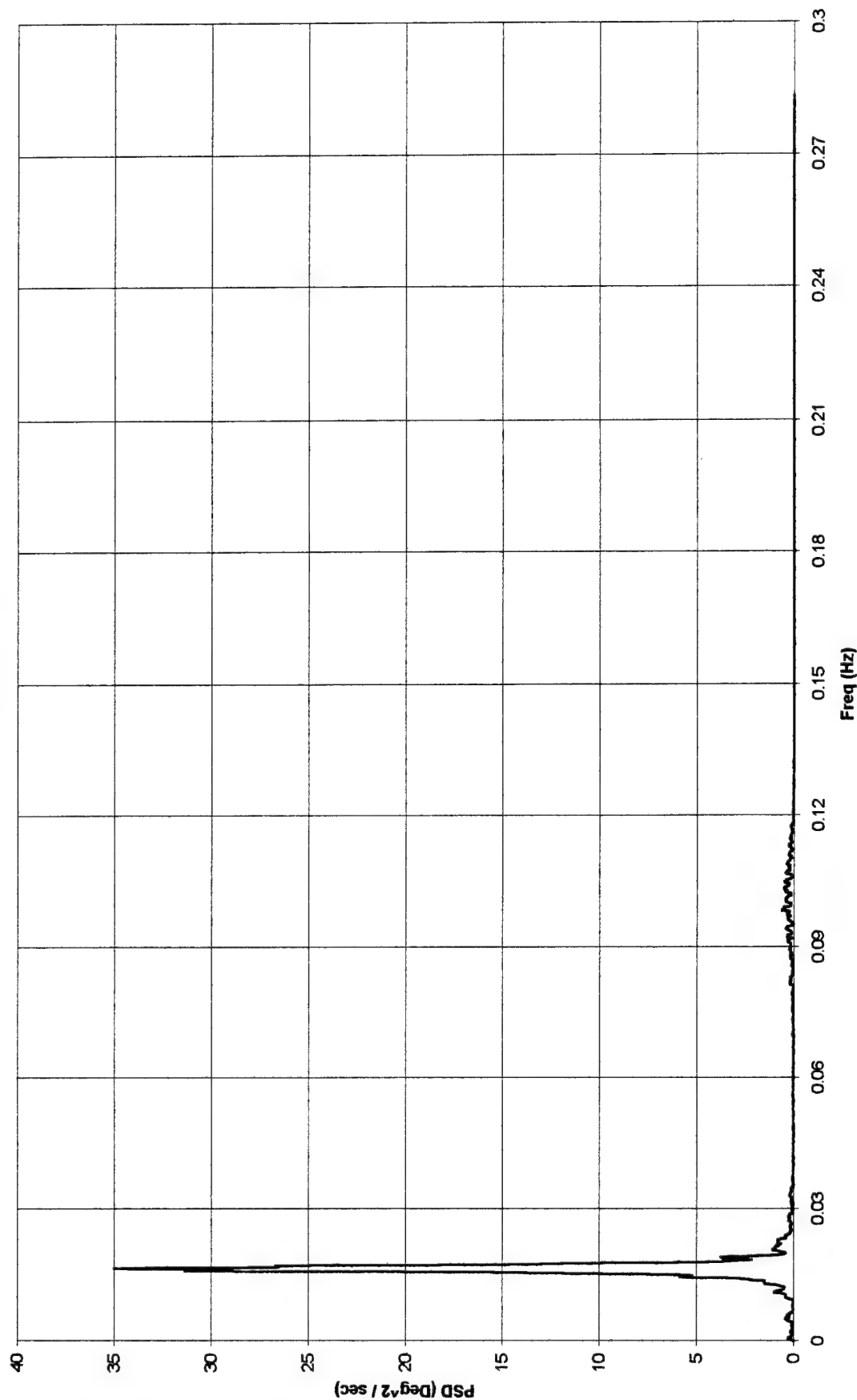
Test A1109 - ML-1 RAD



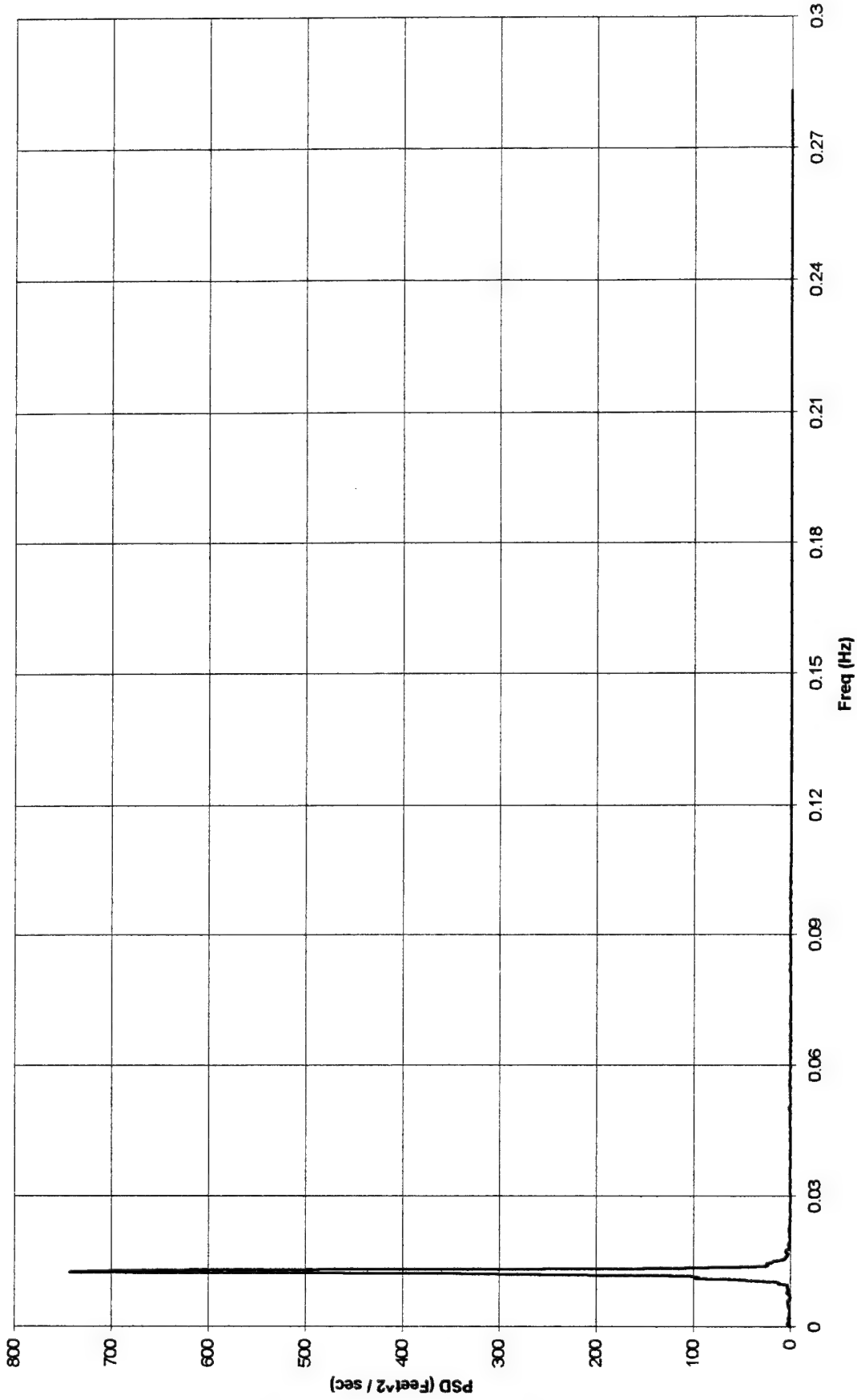
APPENDIX H

SPECTRAL DENSITY PLOTS

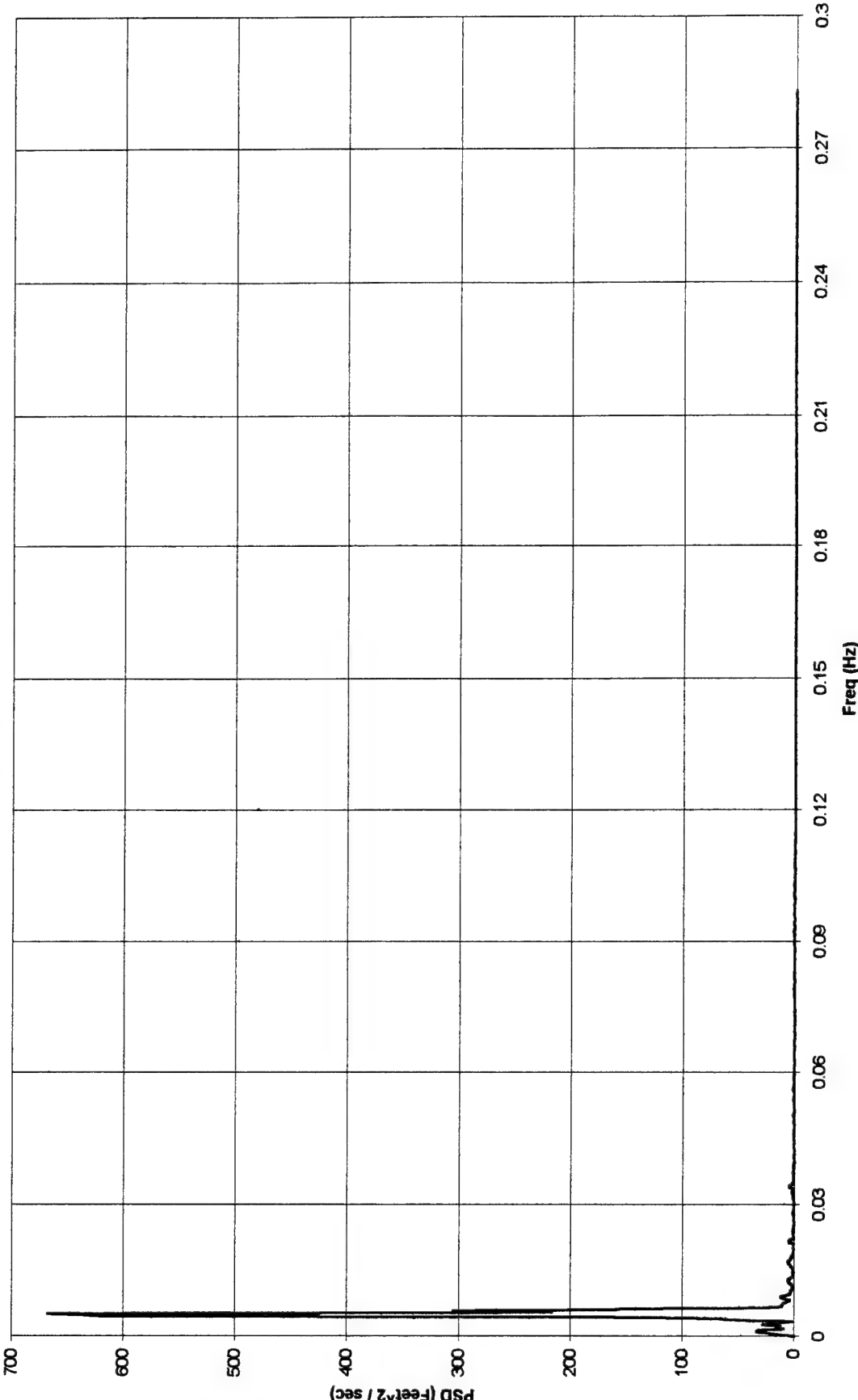
Test 121 - PITCH PSD



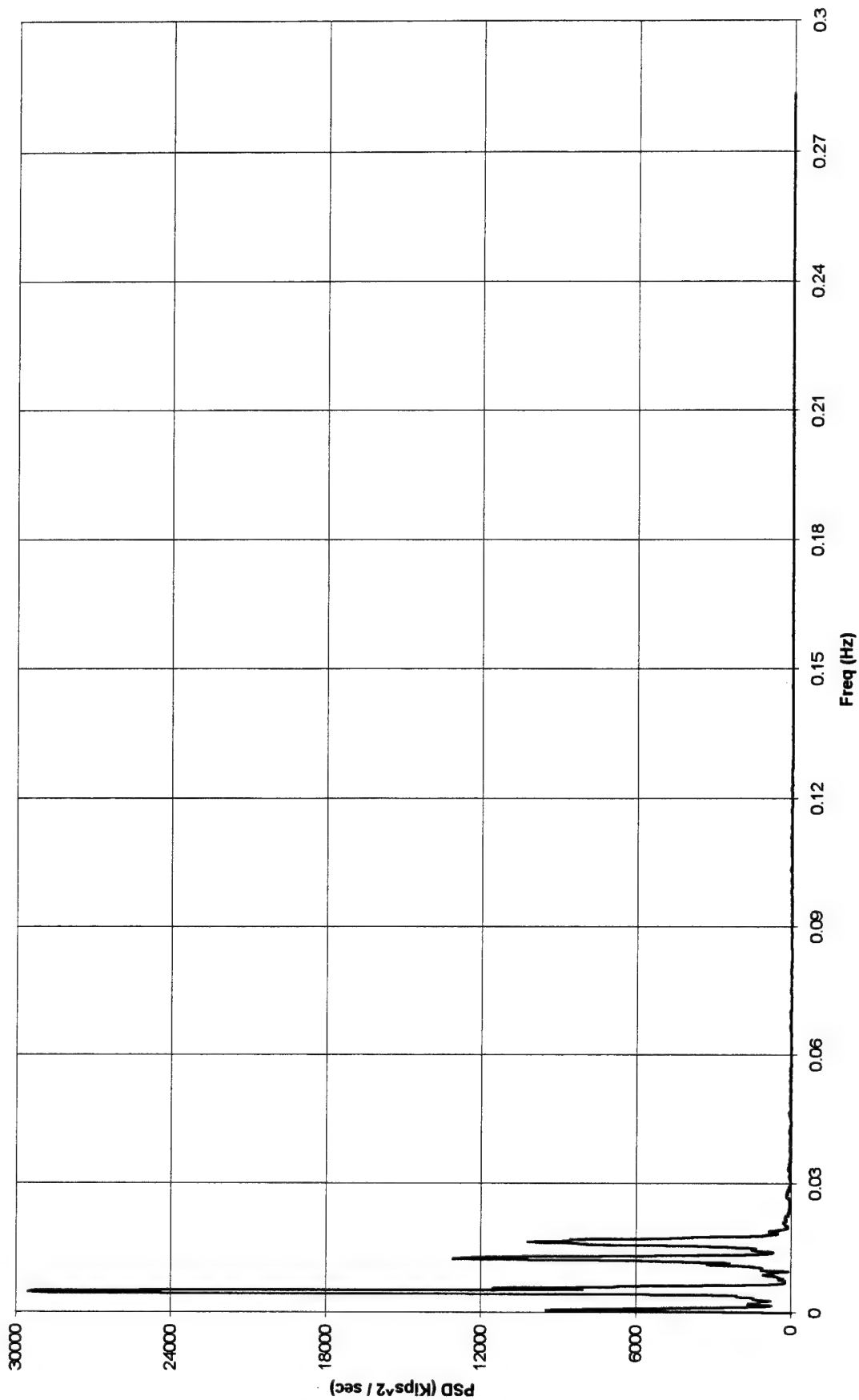
Test 121 - HEAVE PSD



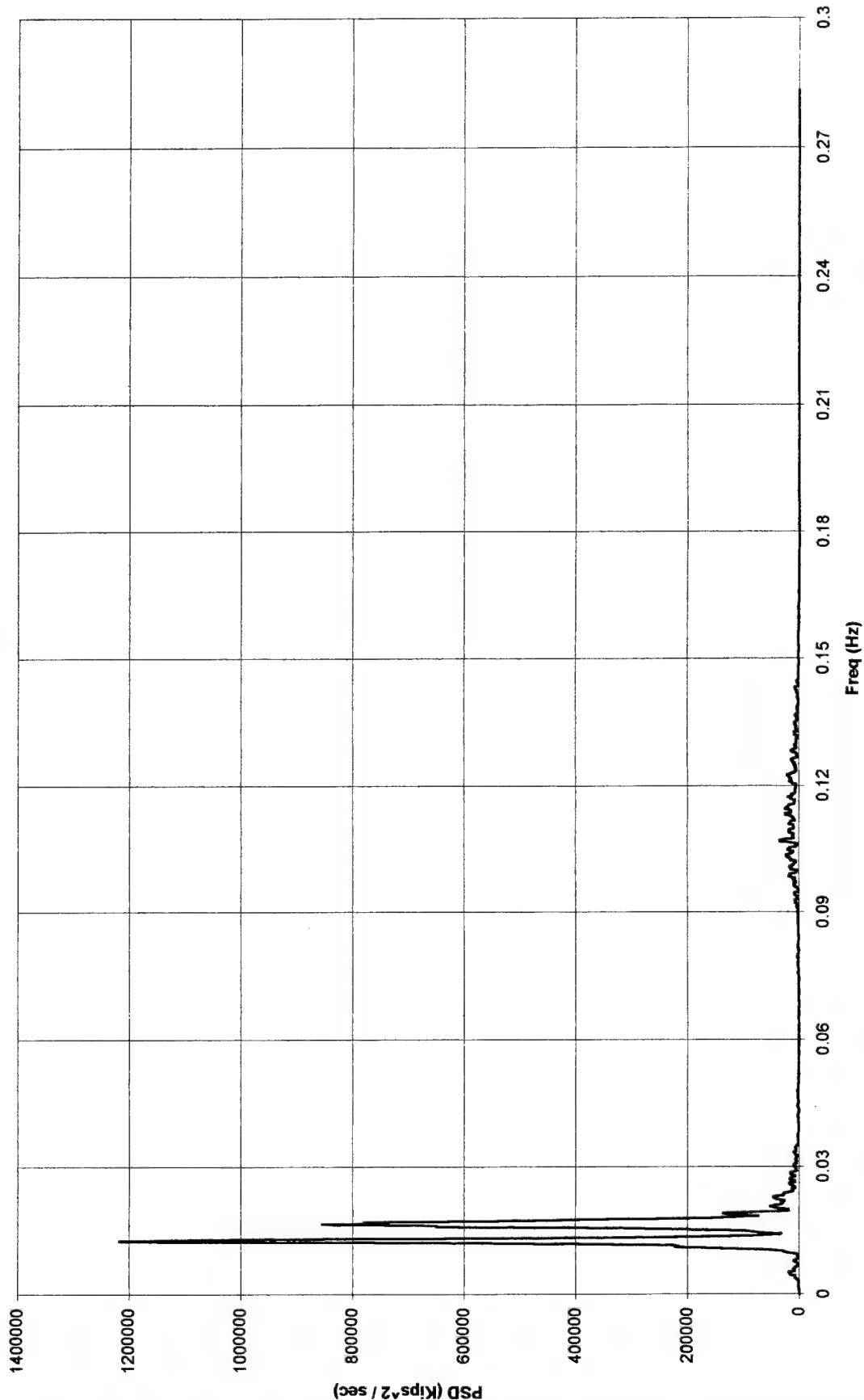
Test 121 - SURGE PSD



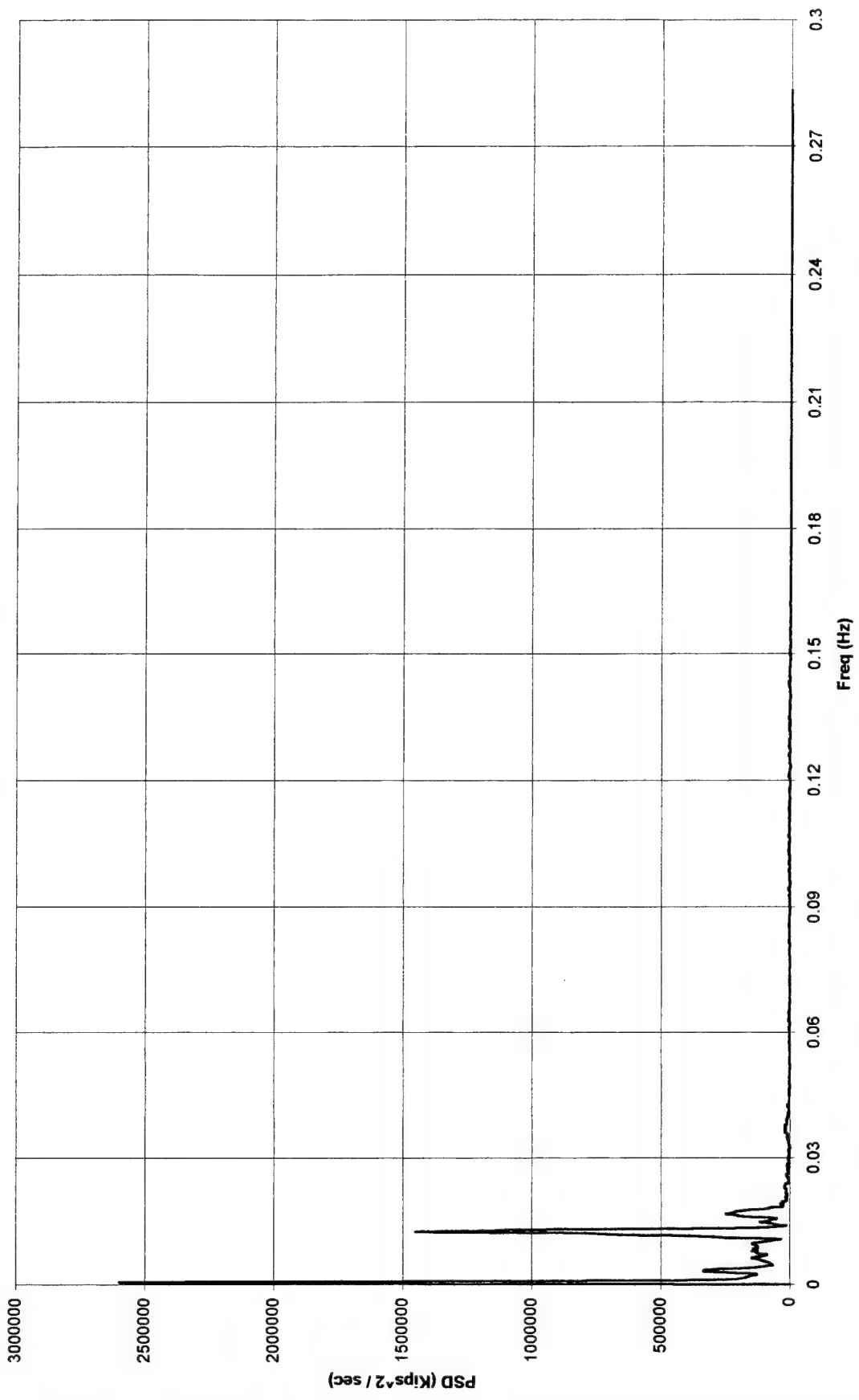
Test 121 - ML-1 PSD



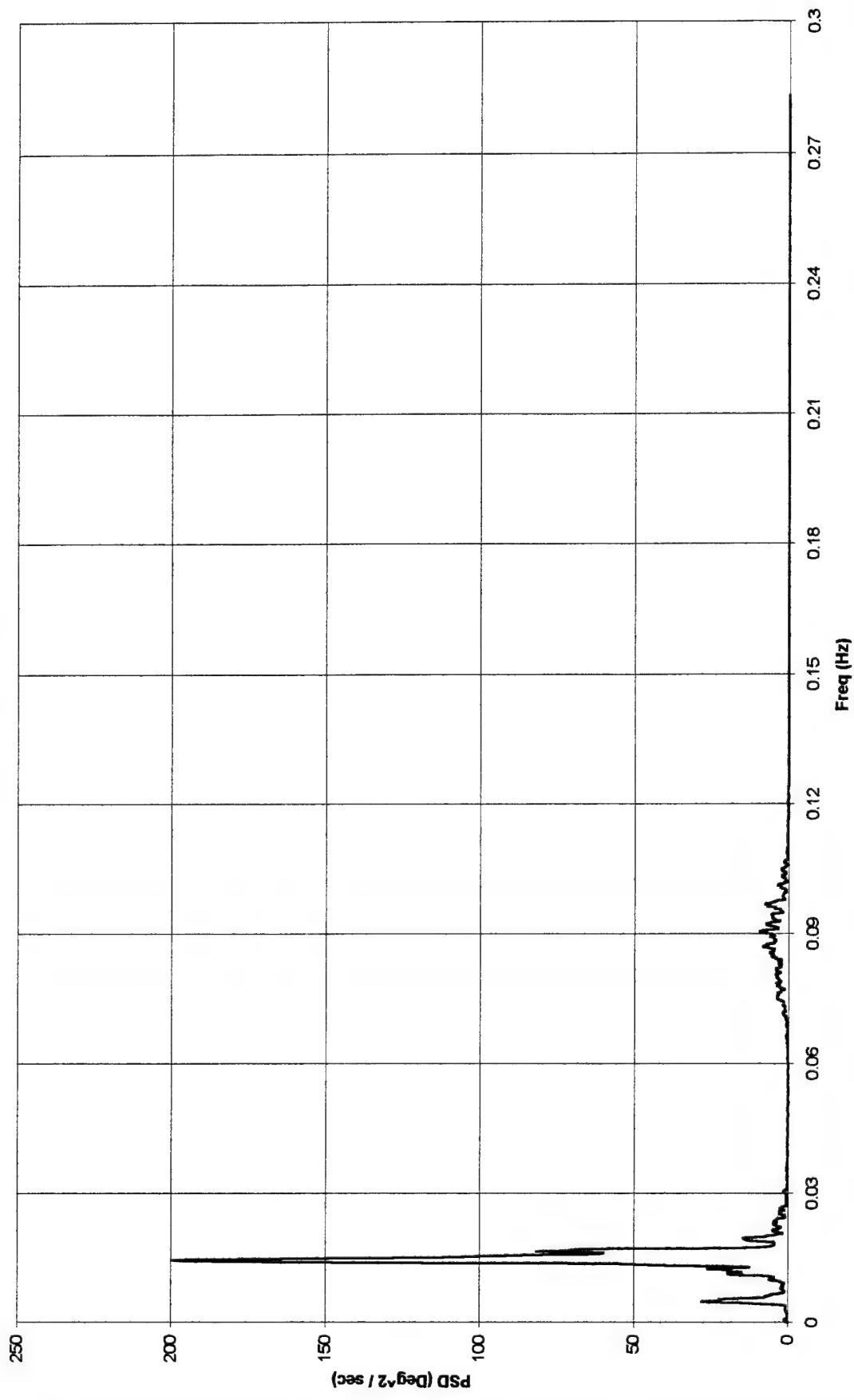
Test 121 - BT-1 PSD



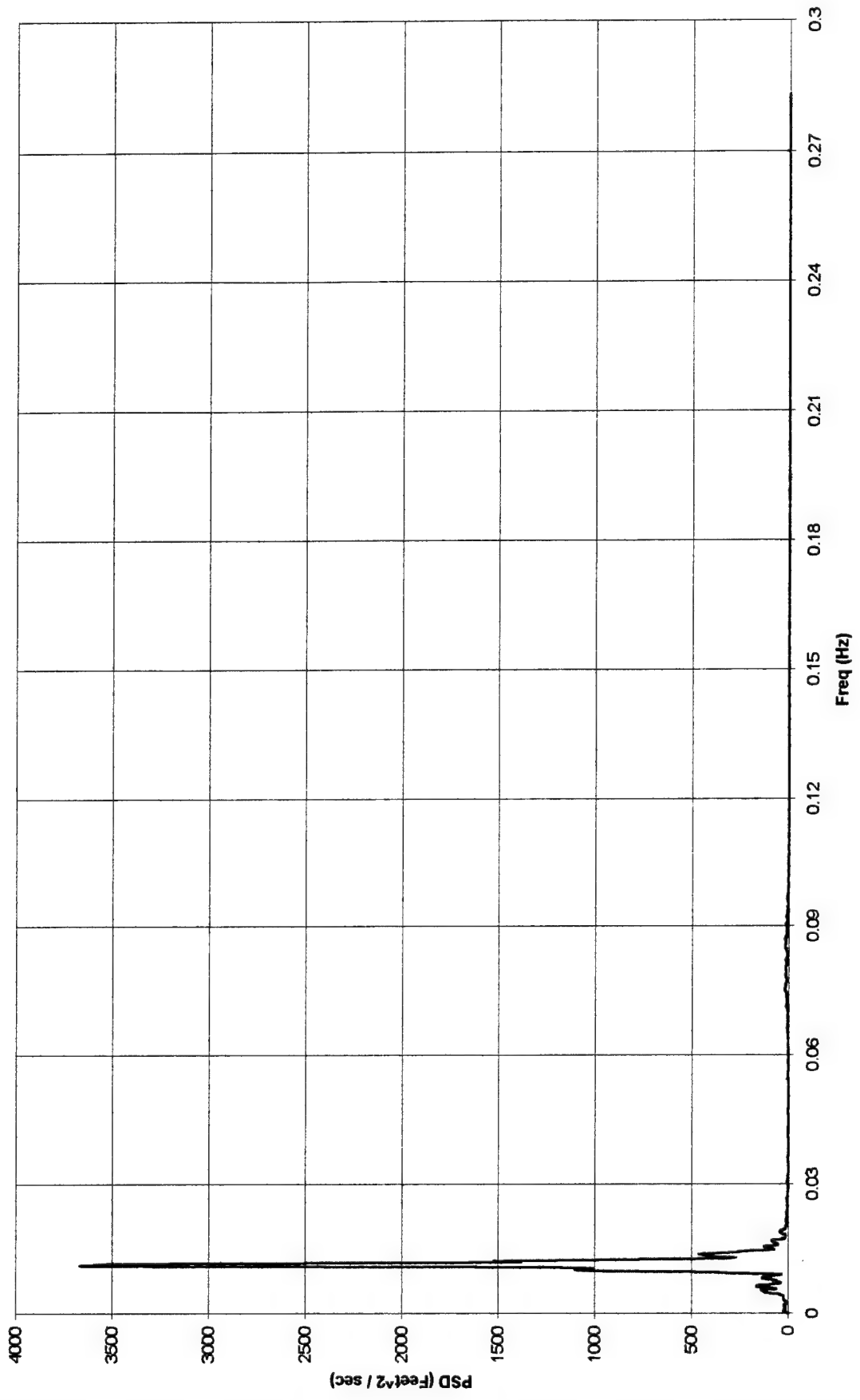
Test 121 - BT-2 PSD



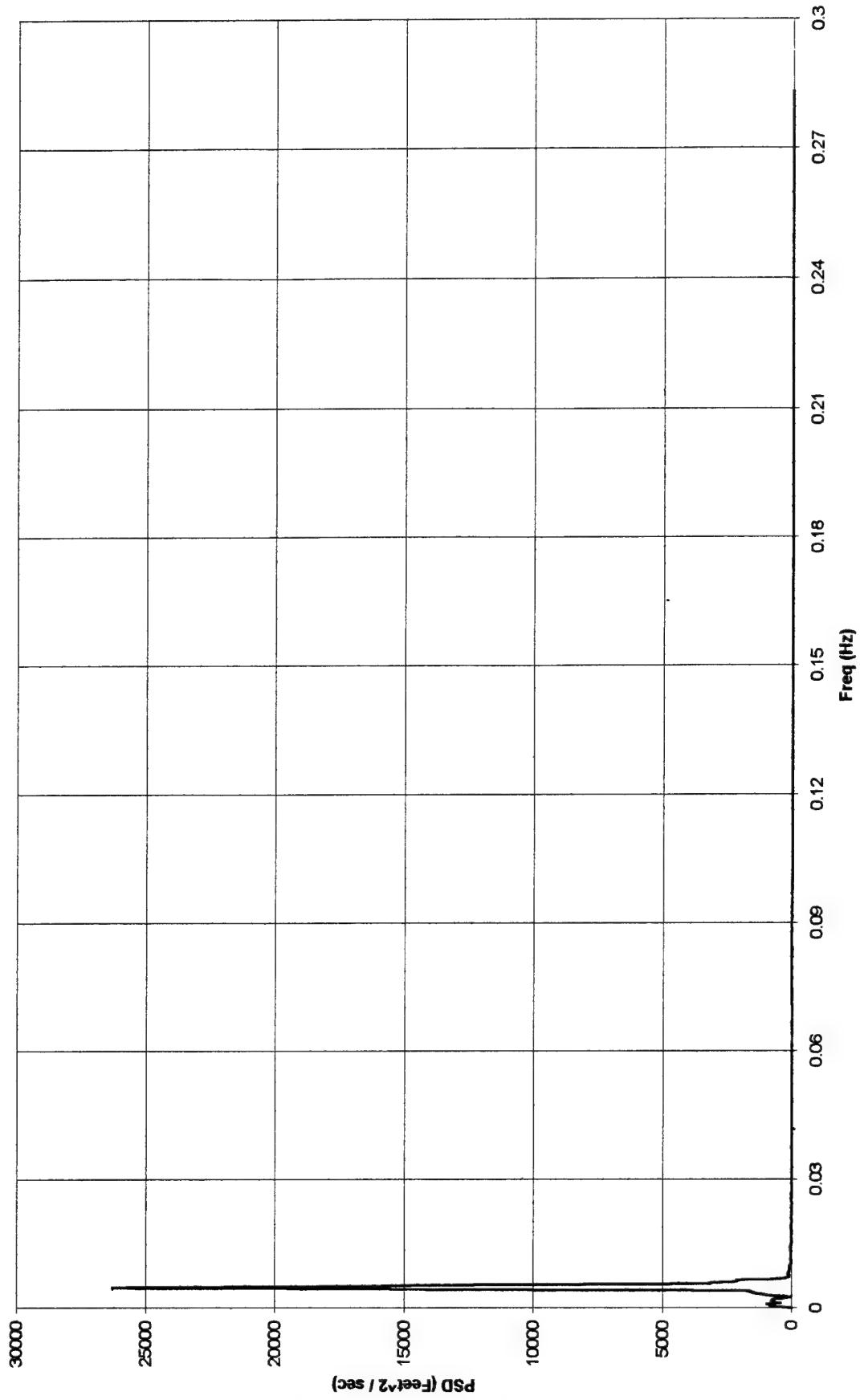
Test 122 - PITCH PSD



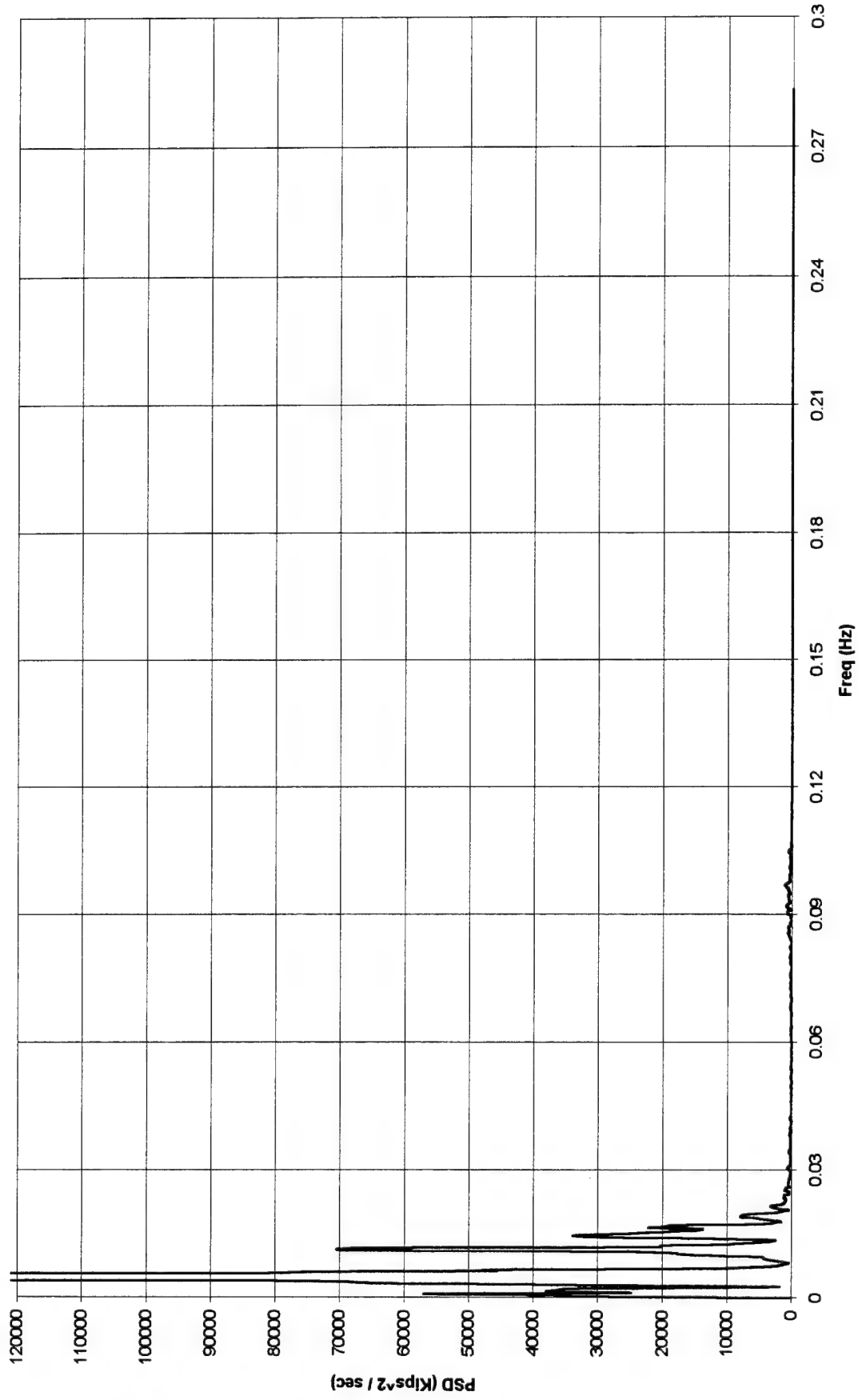
Test 122 - HEAVE PSD



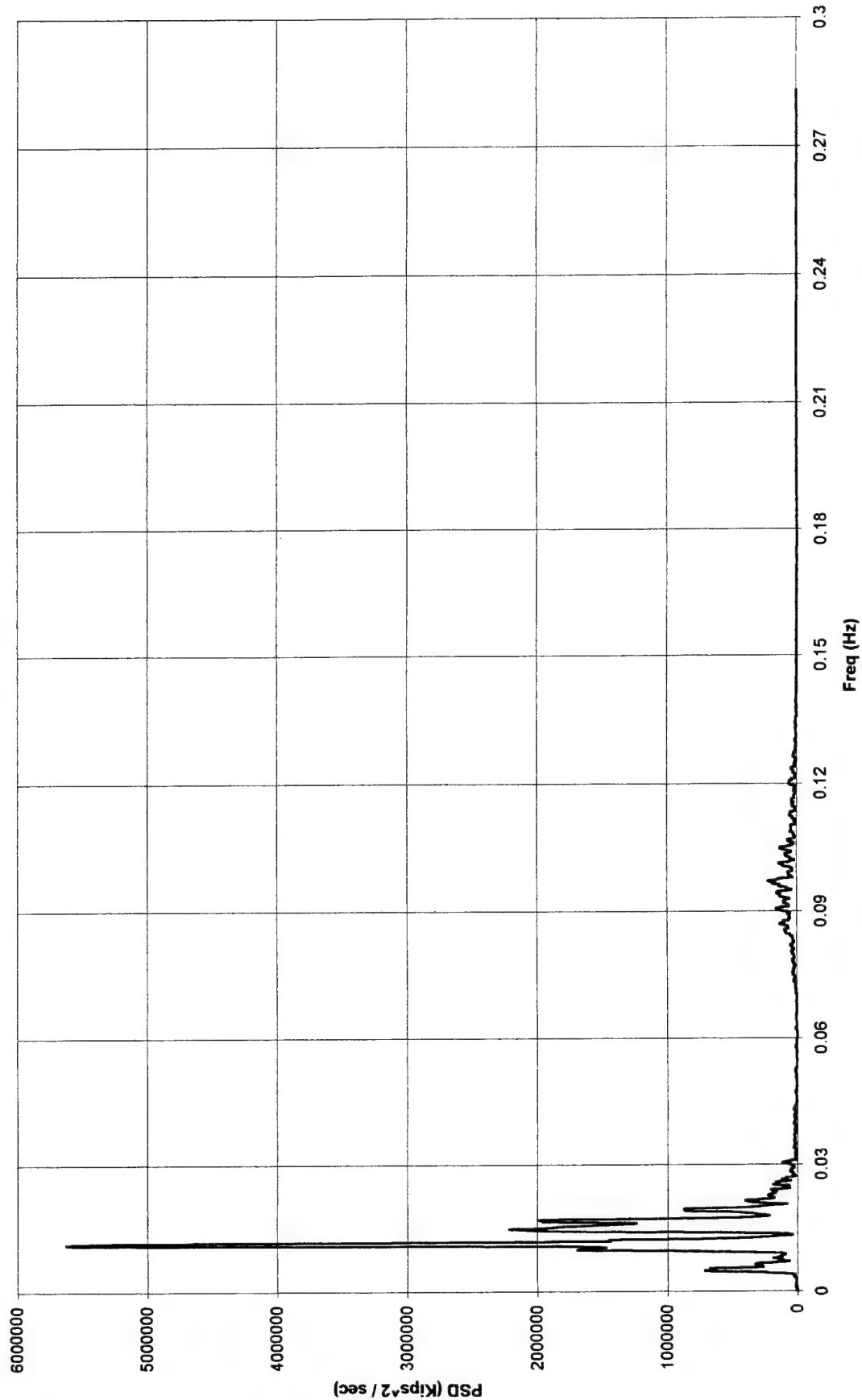
Test 122 - SURGE PSD



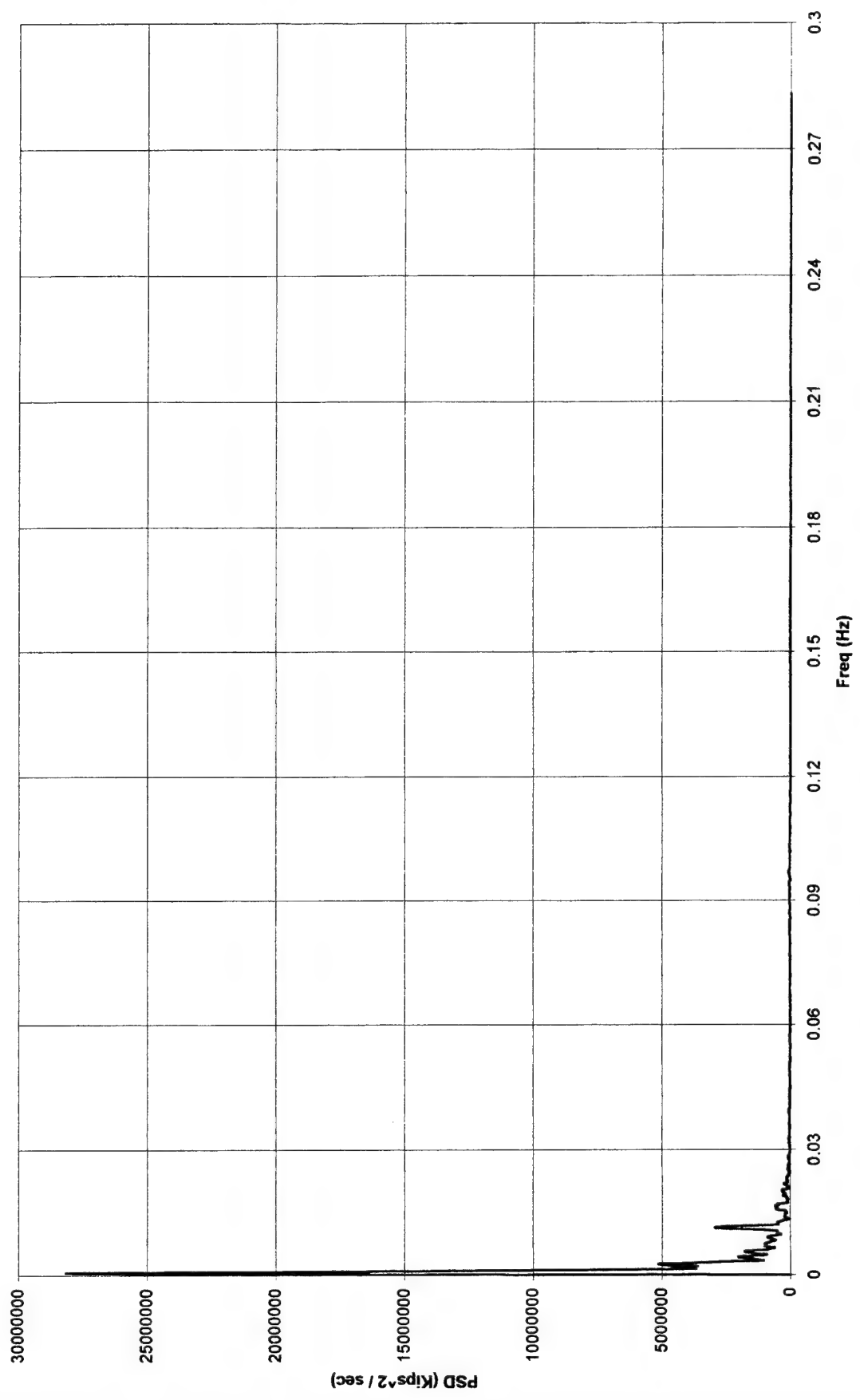
Test 122 - ML-1 PSD



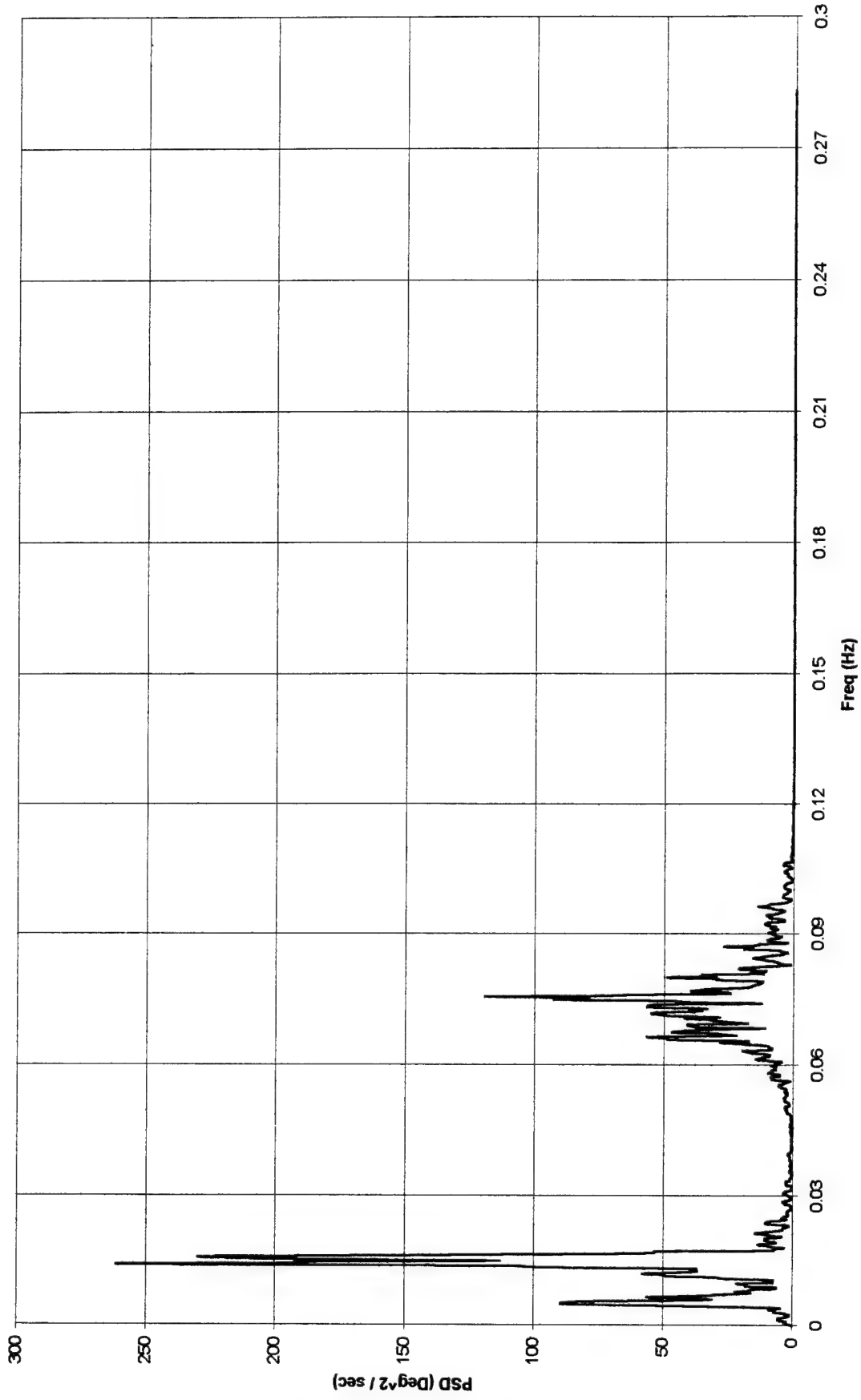
Test 122 - BT-1 PSD



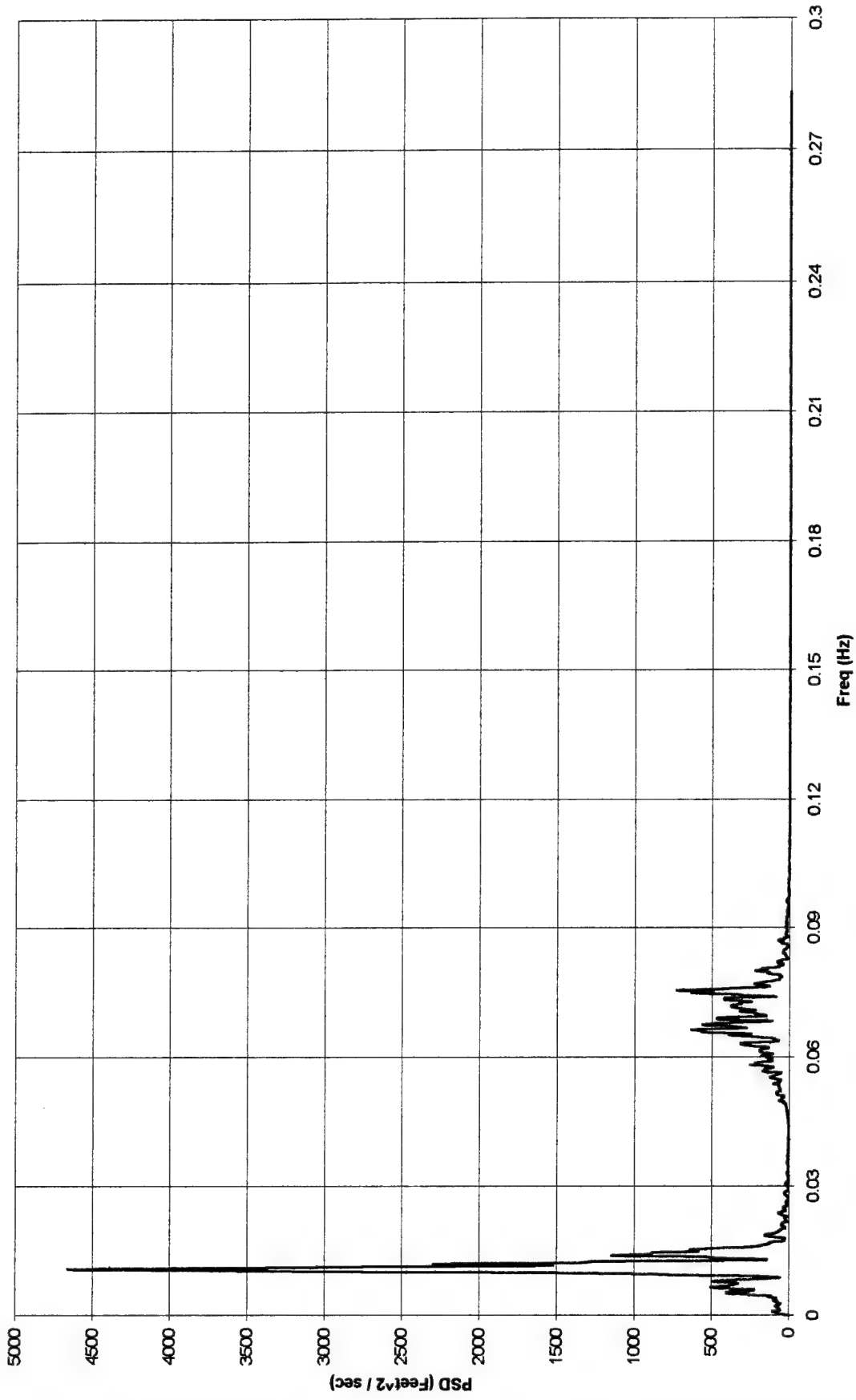
Test 122 - BT-2 PSD



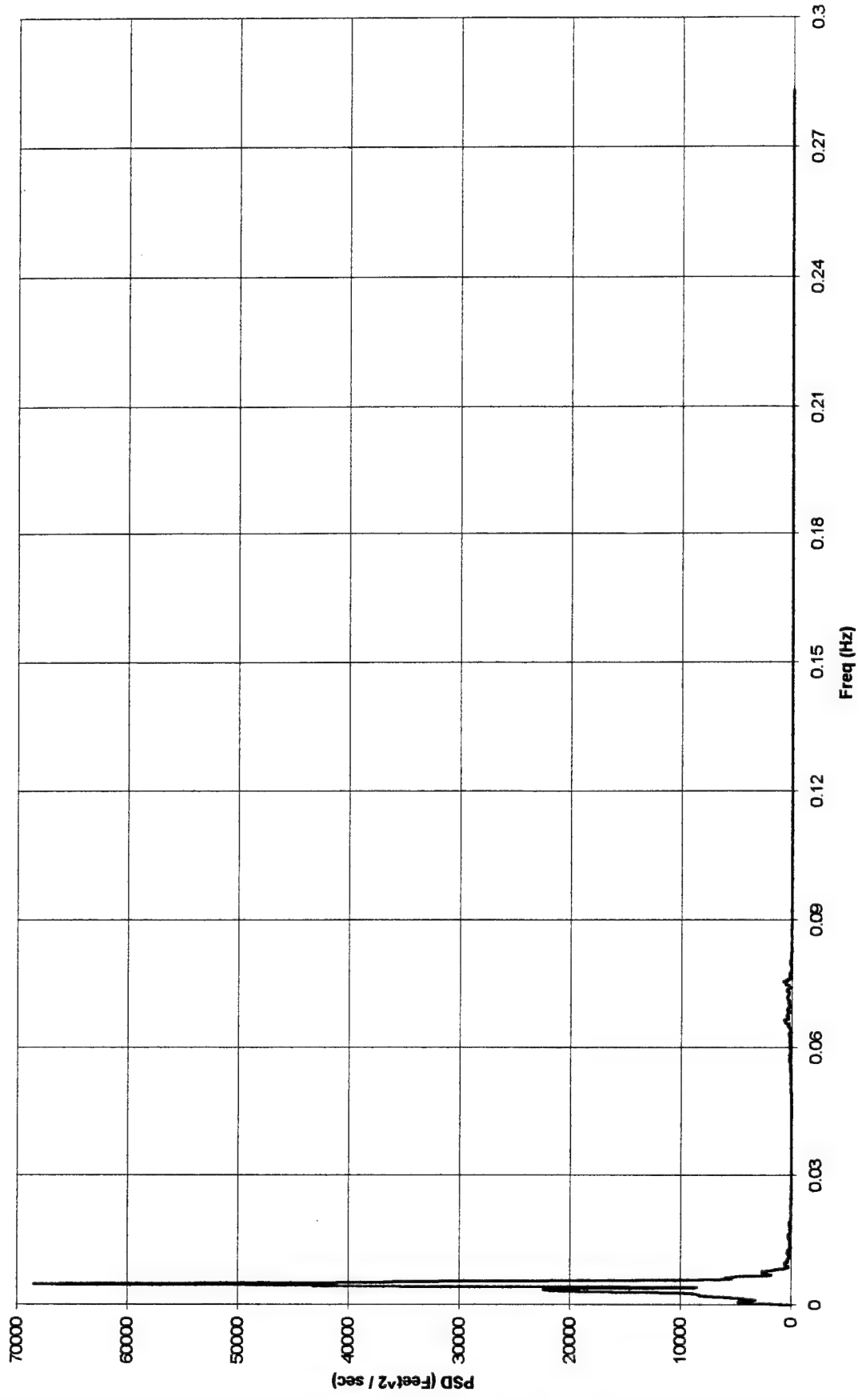
Test 123 - PITCH PSD



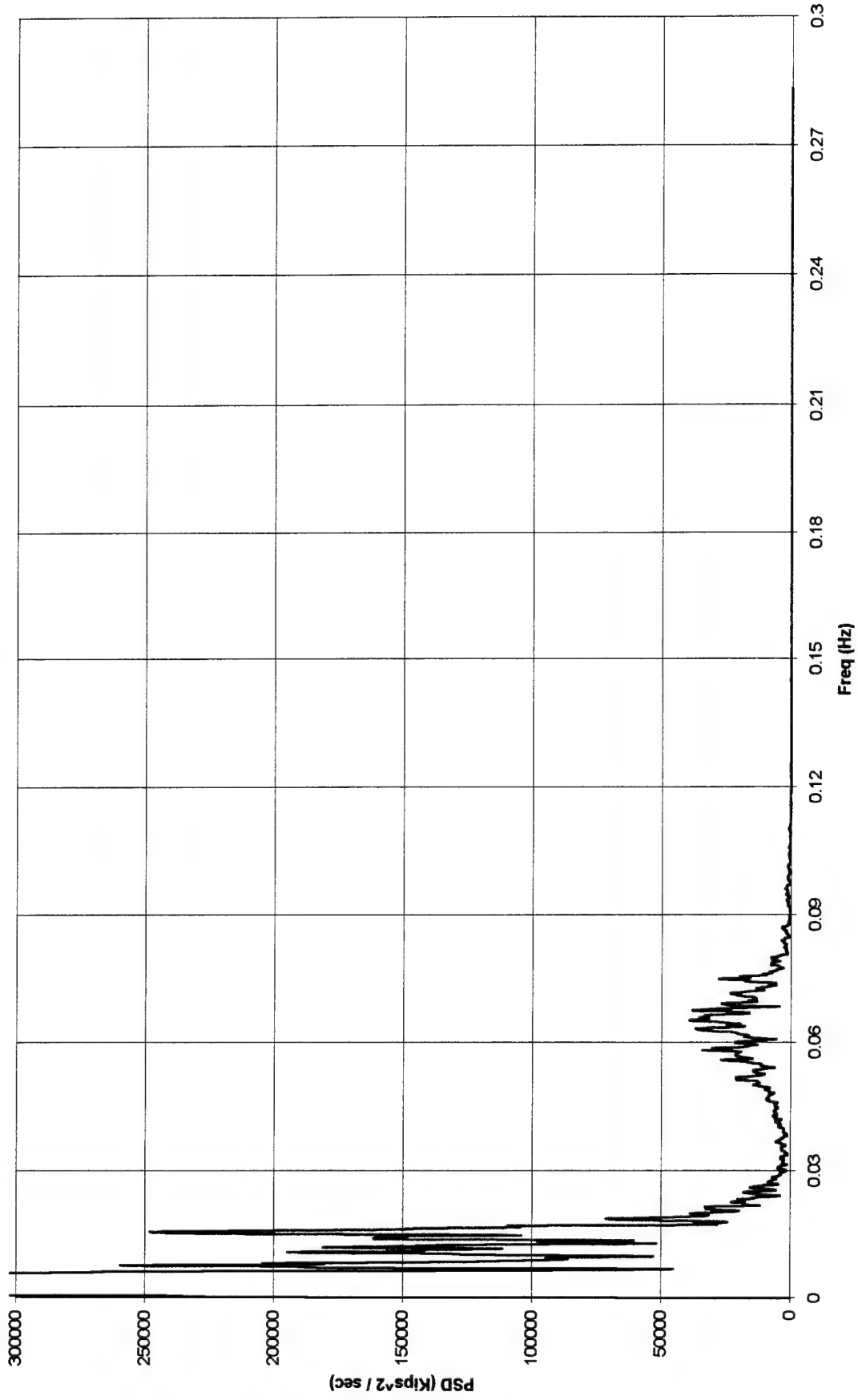
Test 123 - HEAVE PSD



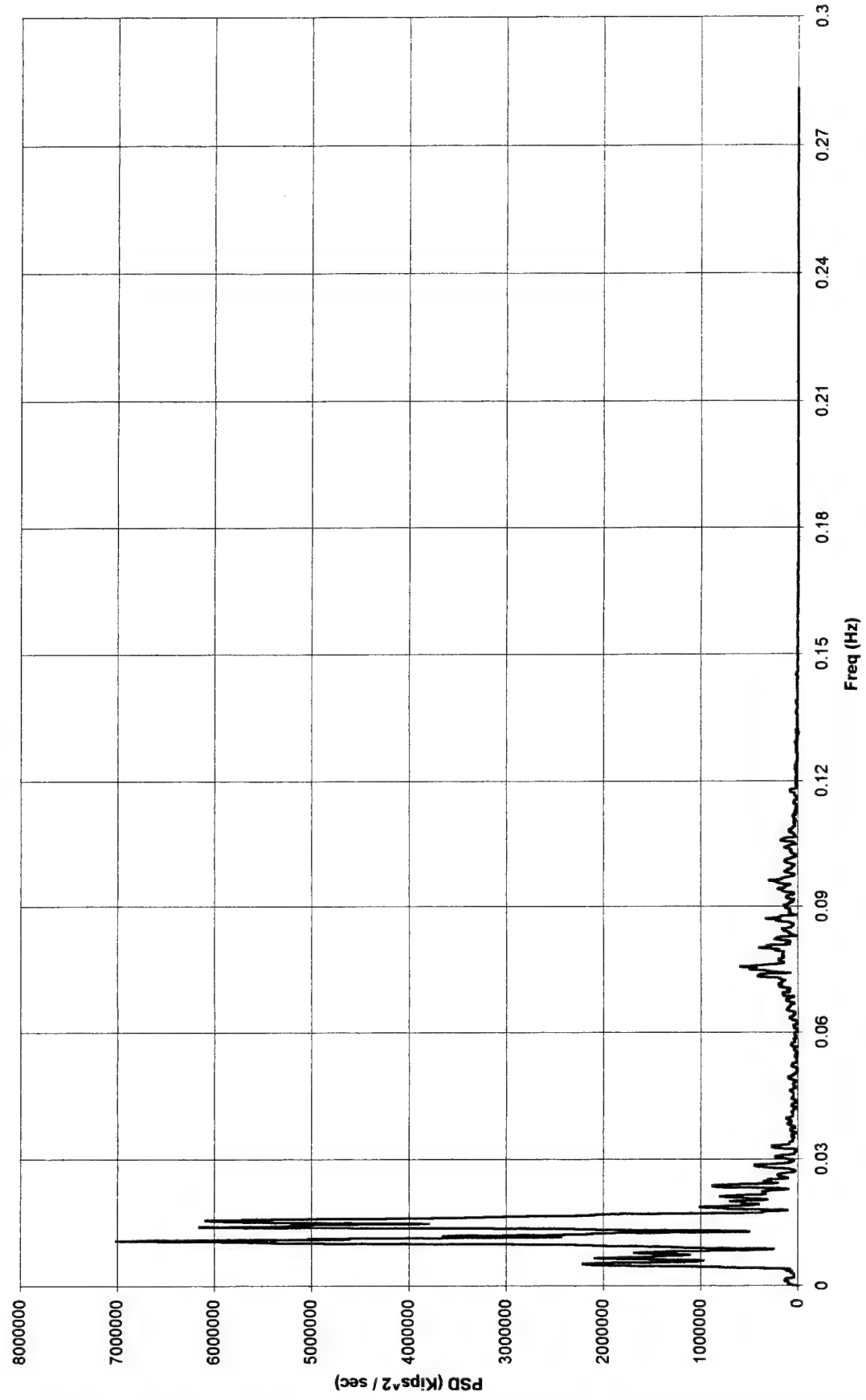
Test 123 - SURGE PSD



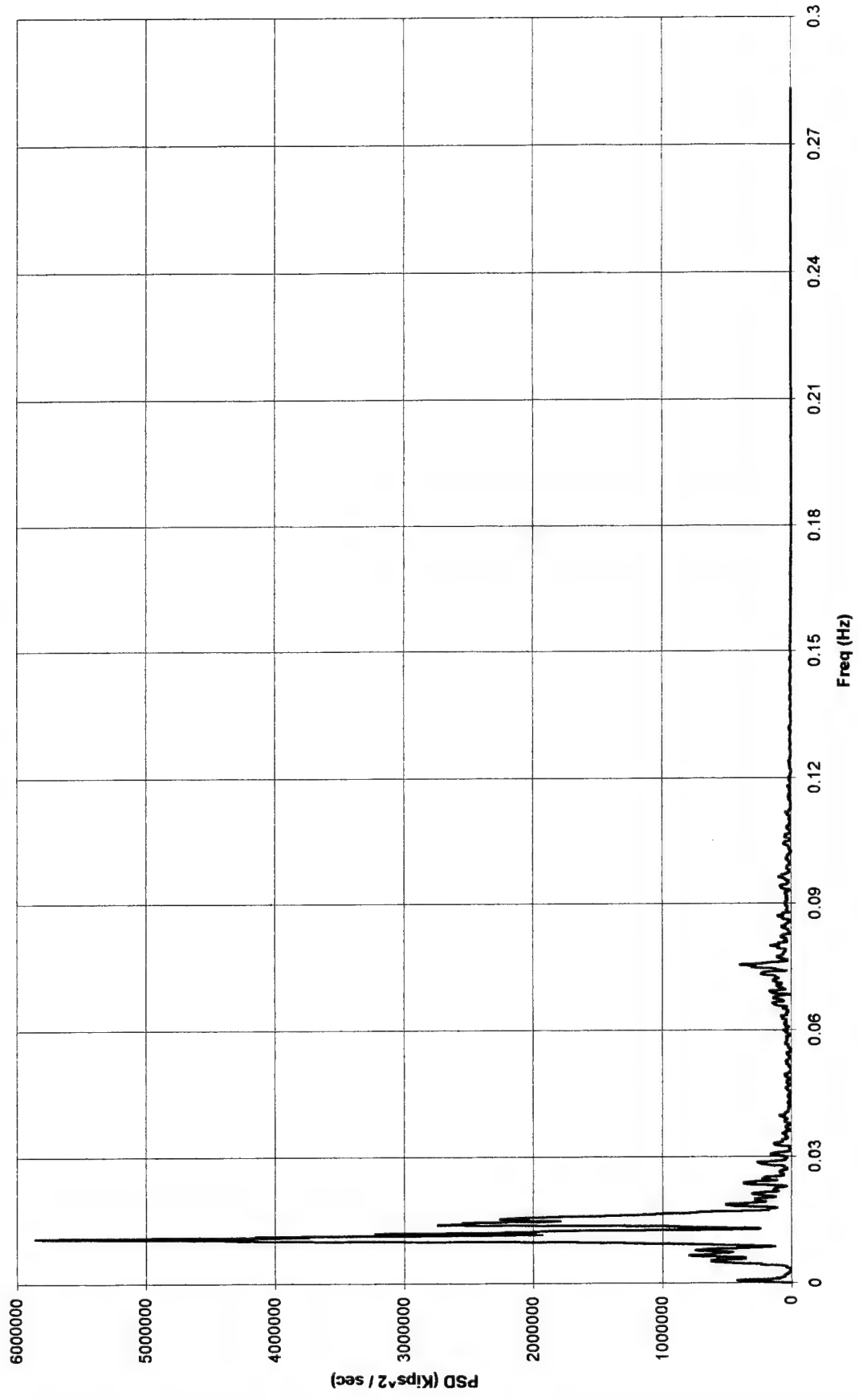
Test 123 - ML-1 PSD



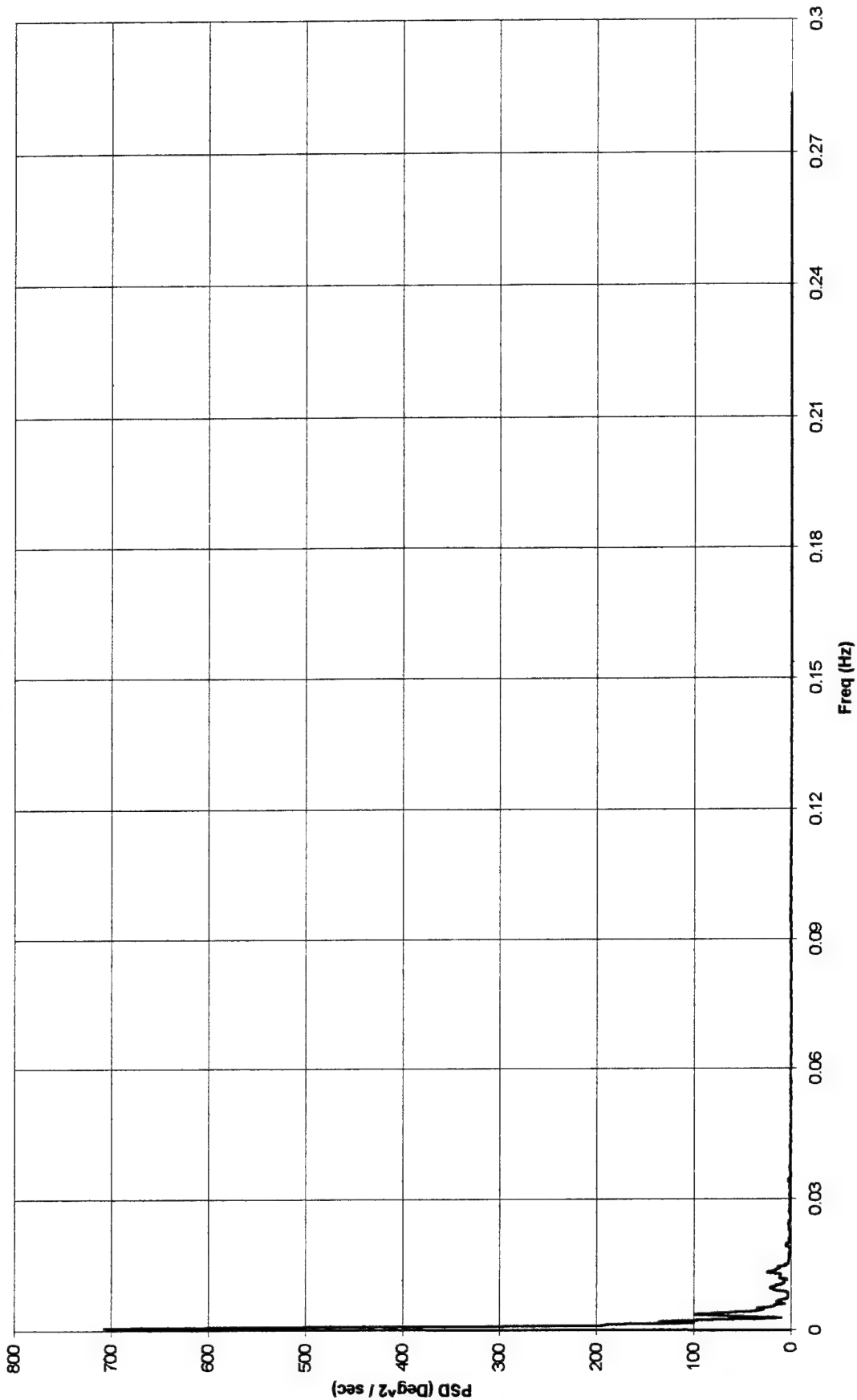
Test 123 - BT-1 PSD



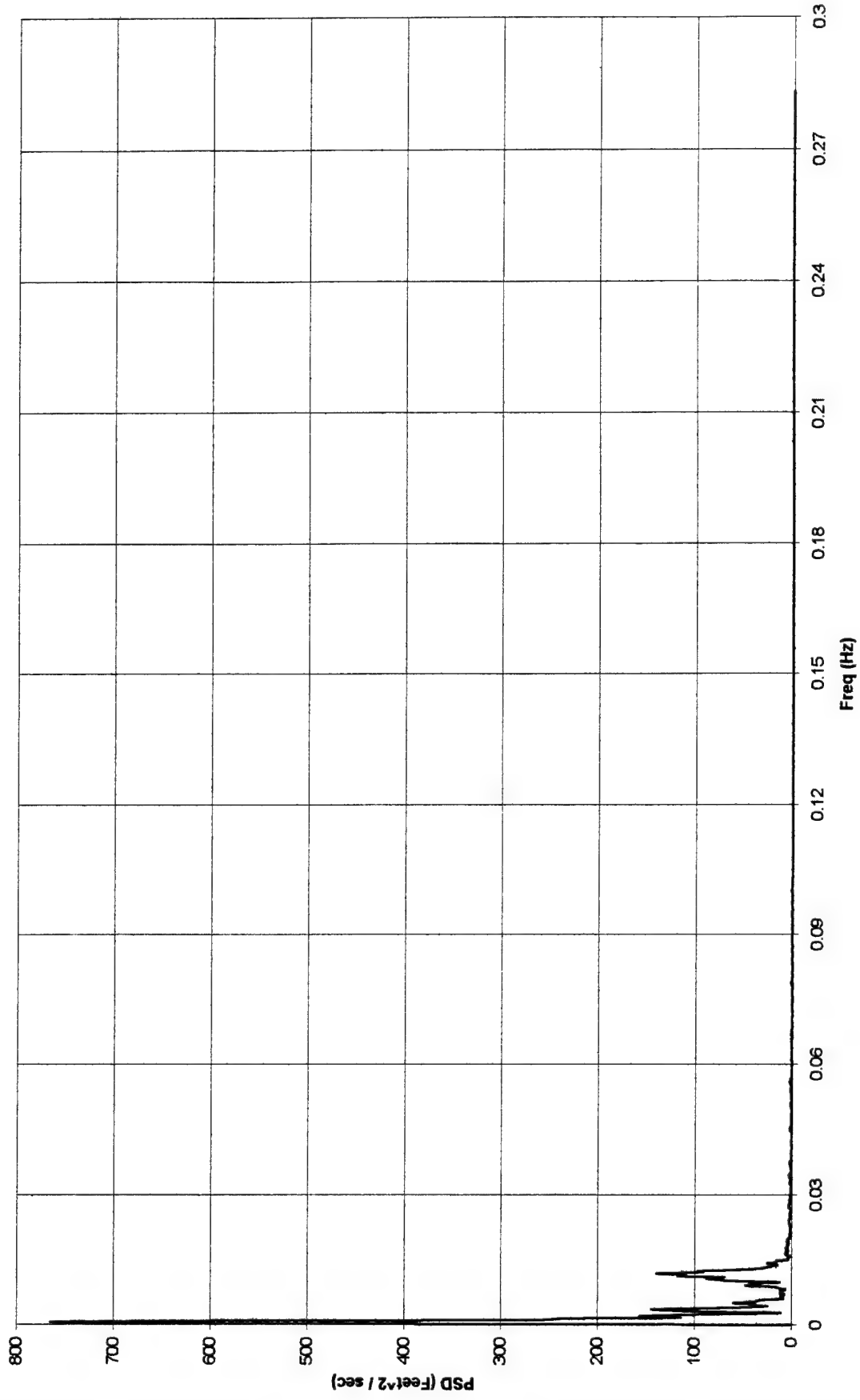
Test 123 - BT-2 PSD



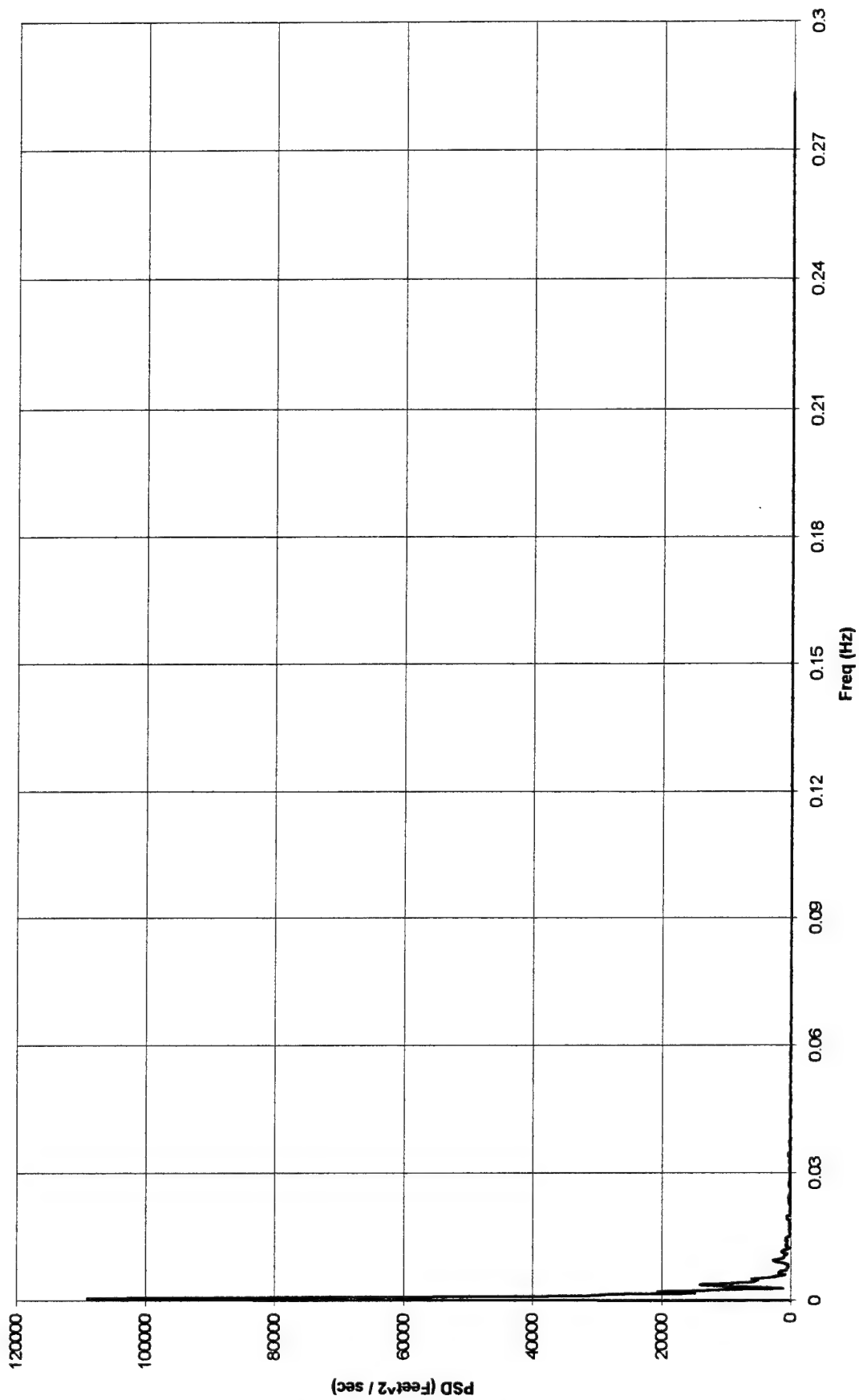
Test 221 - PITCH PSD



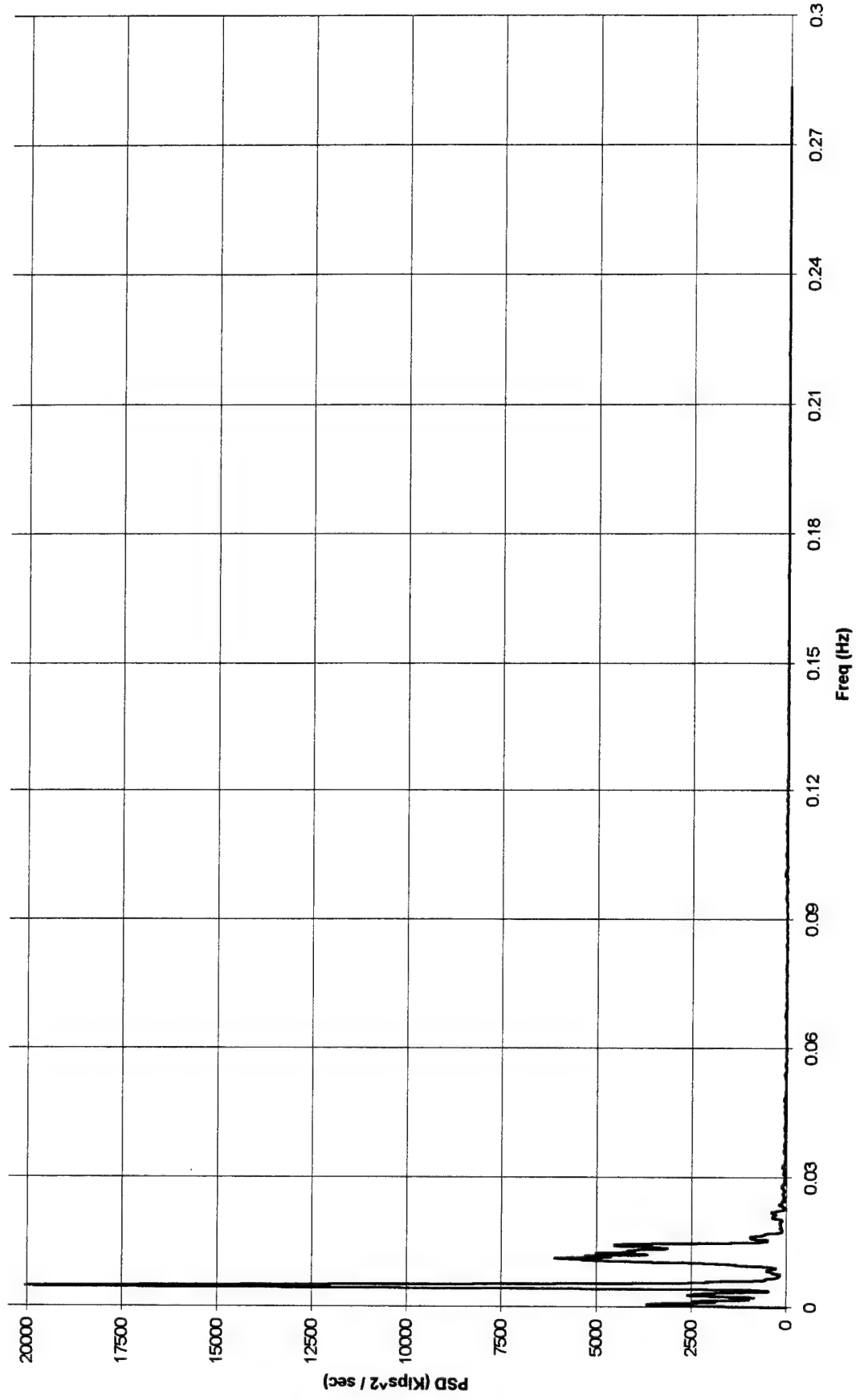
Test 221 - HEAVE PSD



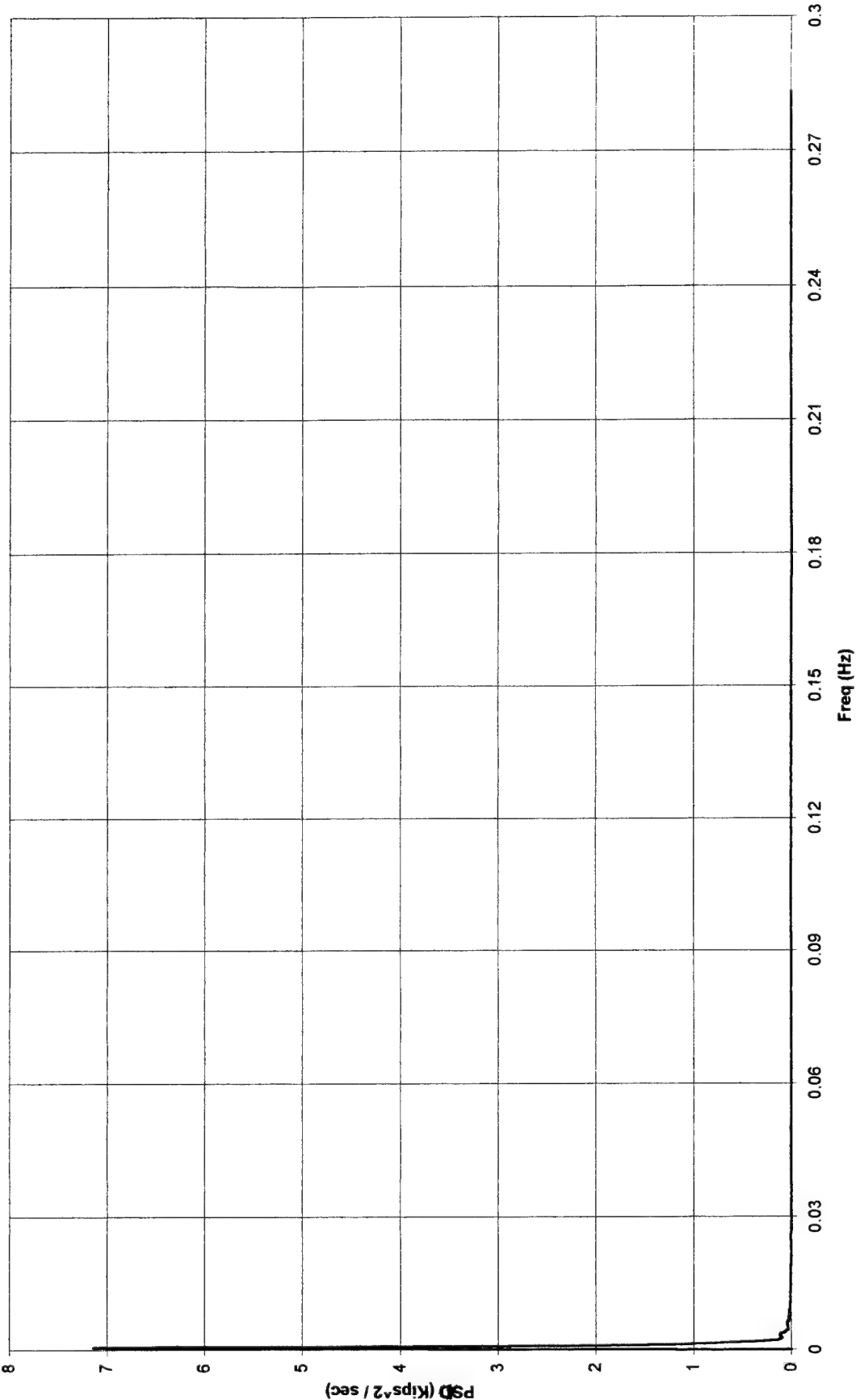
Test 221 - SURGE PSD



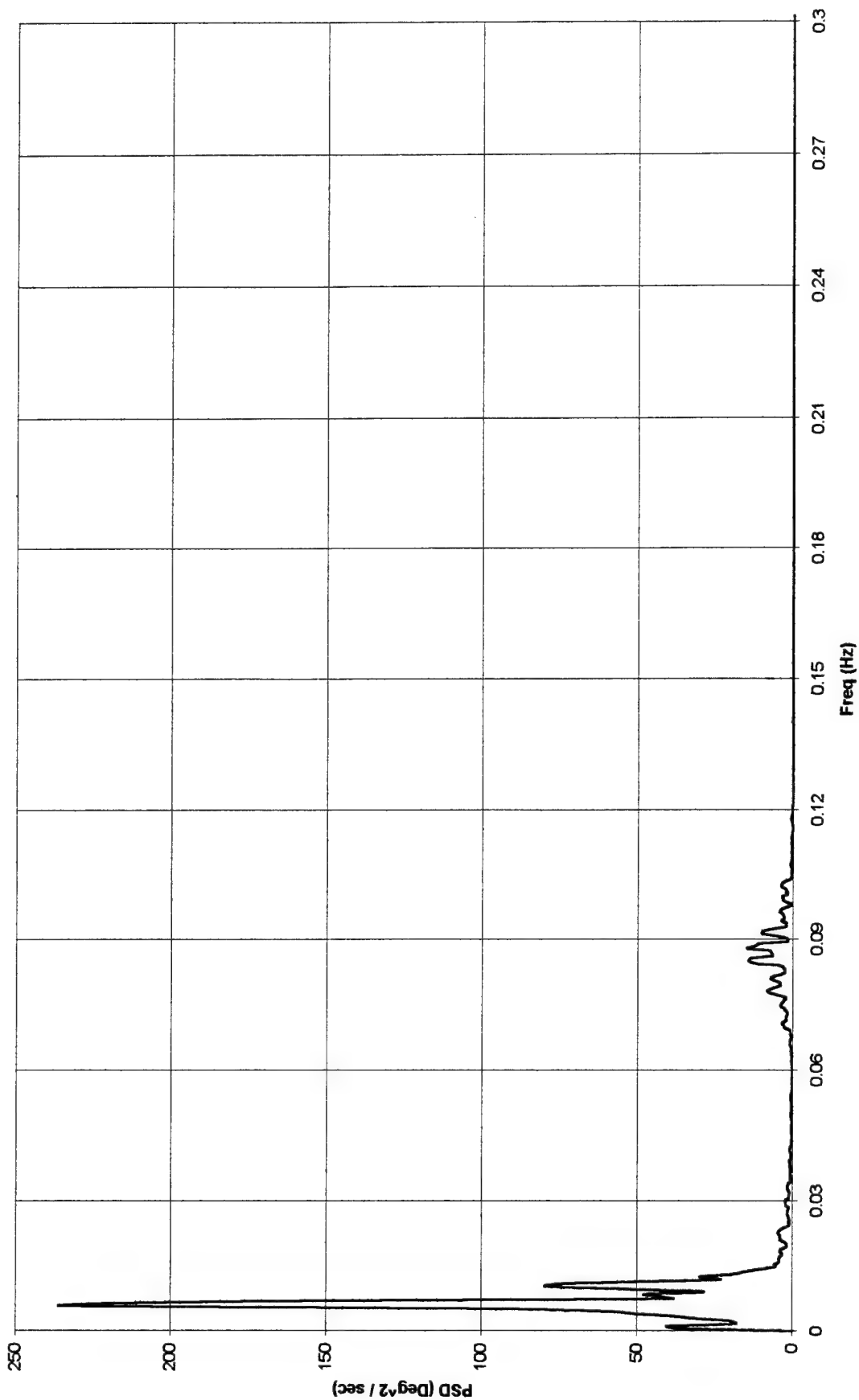
Test 221 - ML-1 PSD



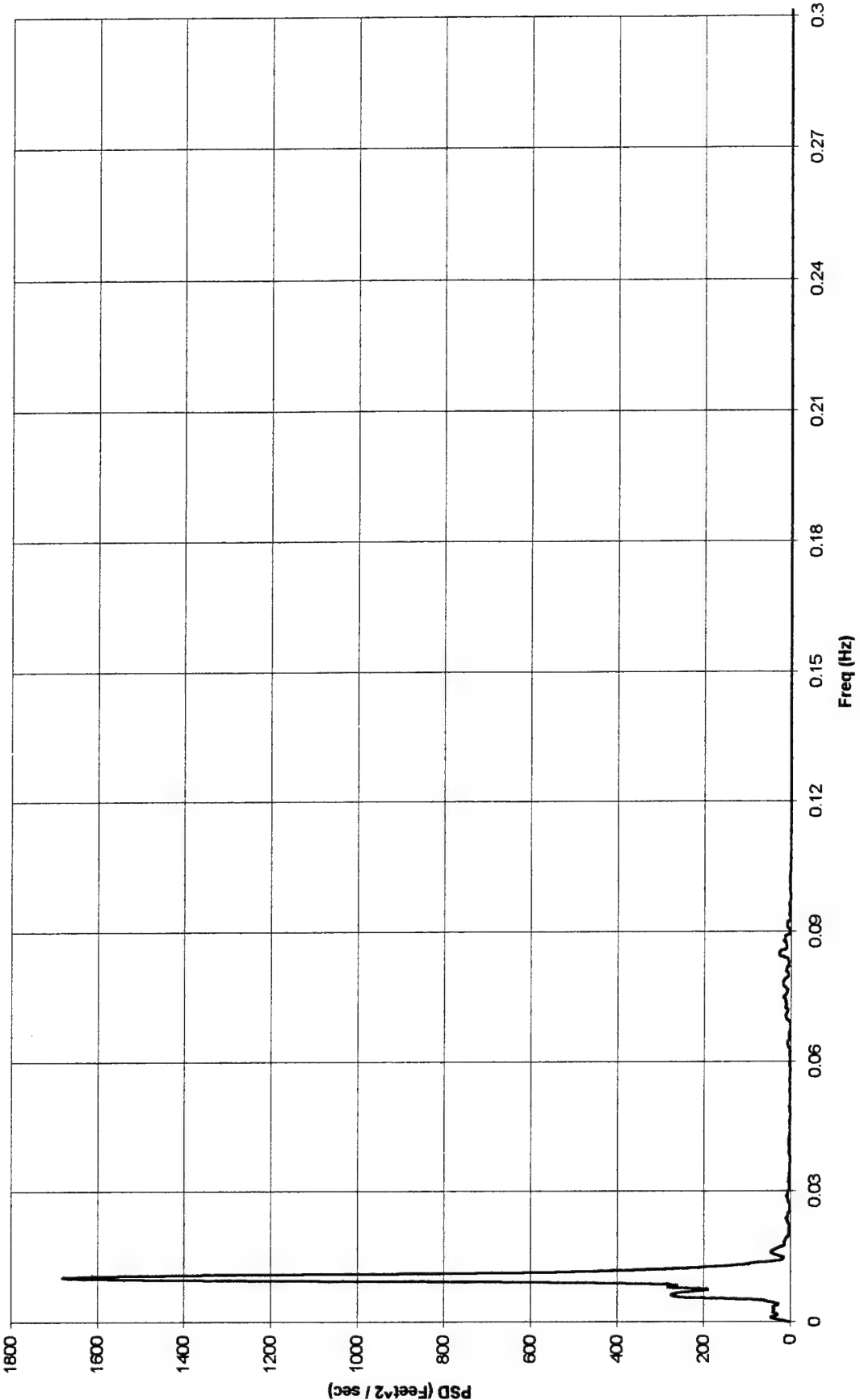
Test 221 - BEX-1 PSD



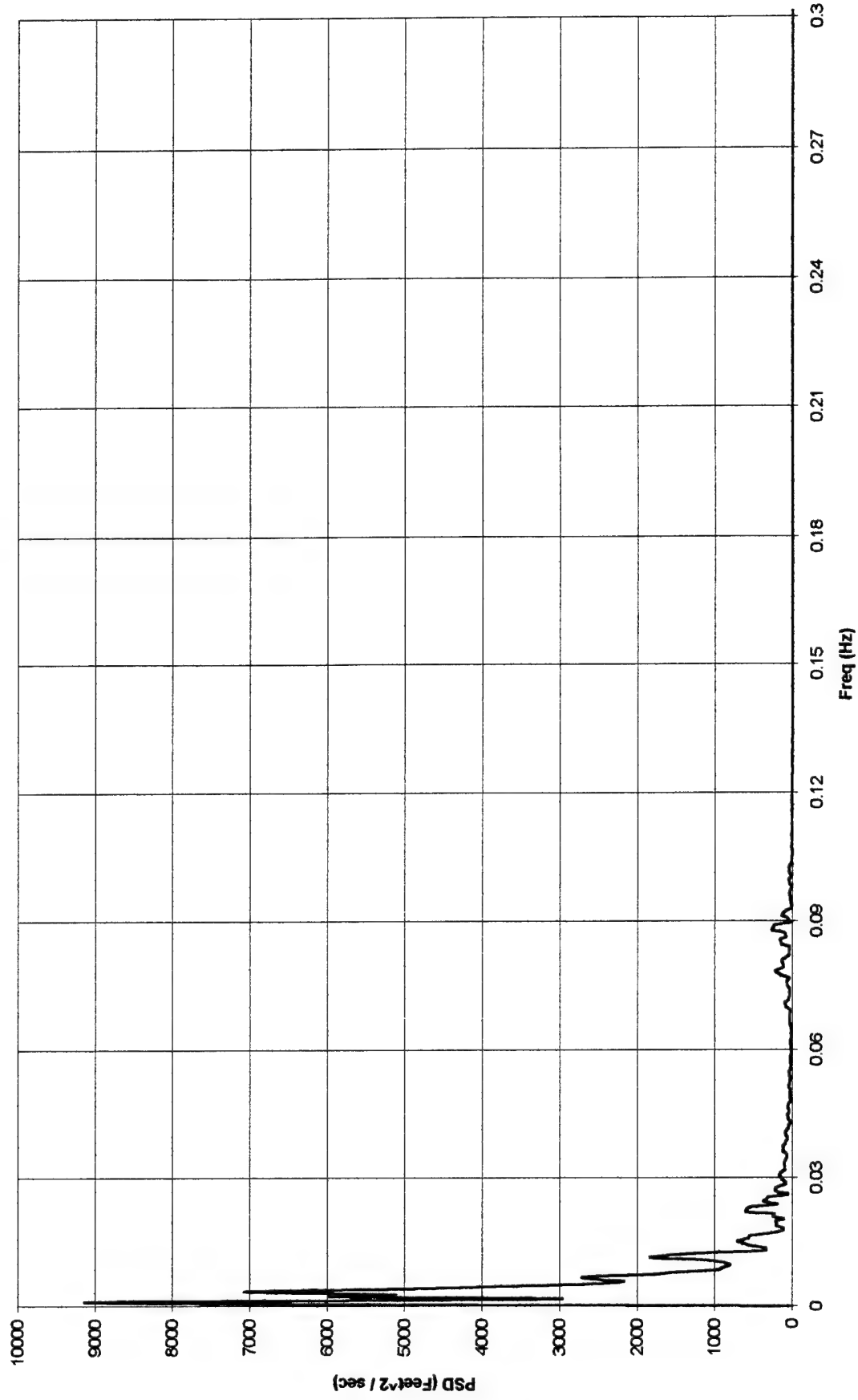
Test 222 - PITCH PSD



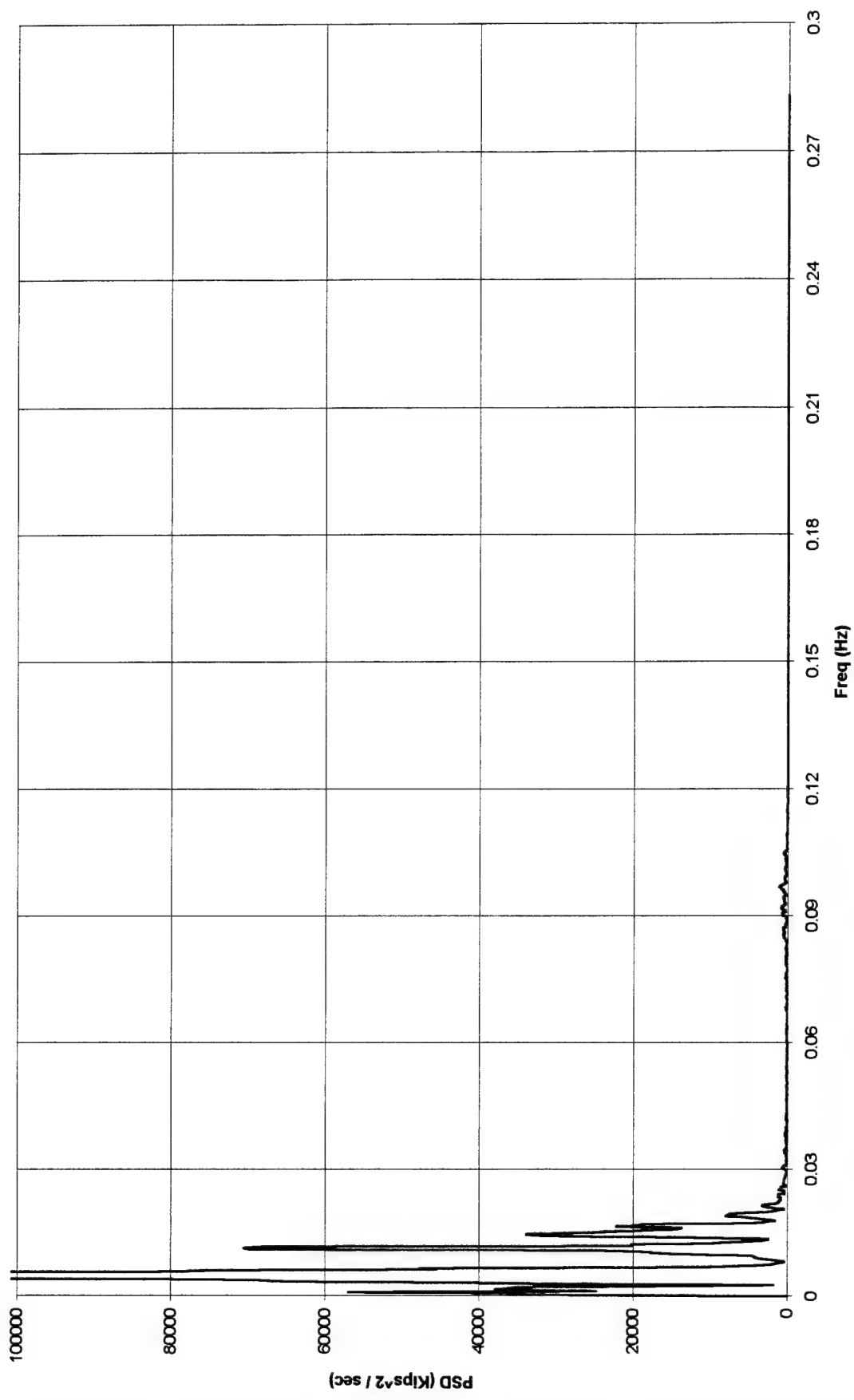
Test 222 - HEAVE PSD



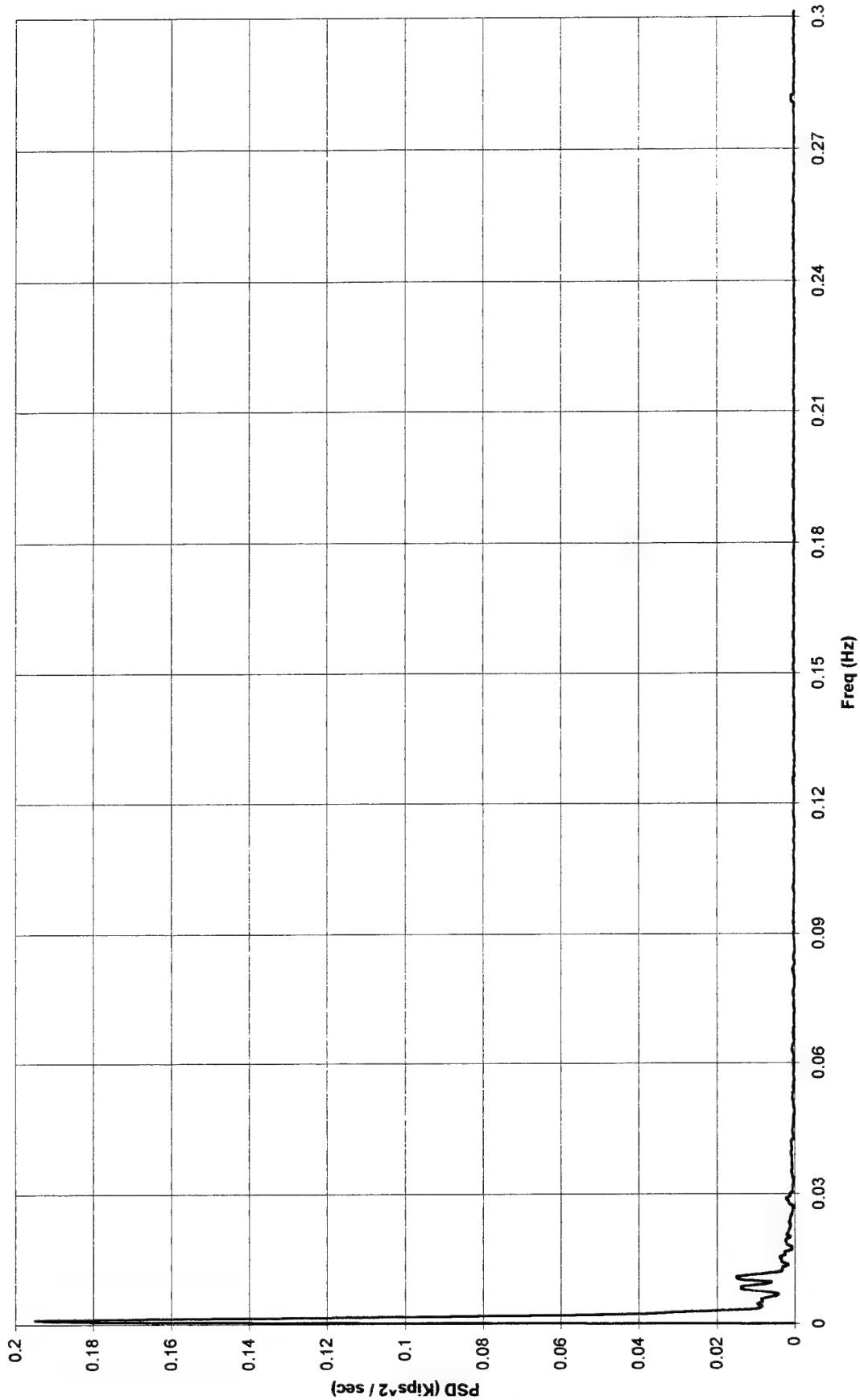
Test 222 - SURGE PSD



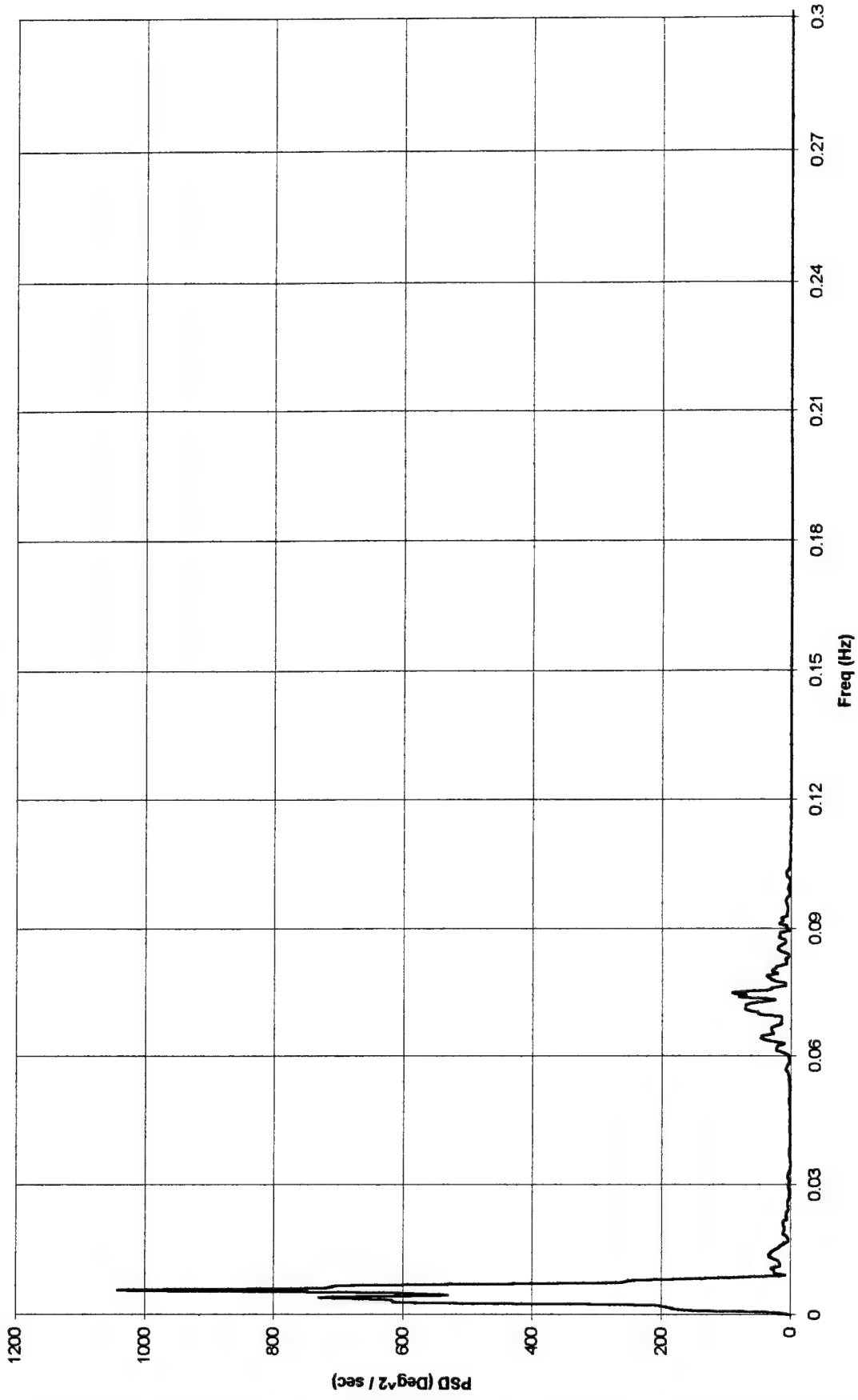
Test 222 - ML-1 PSD



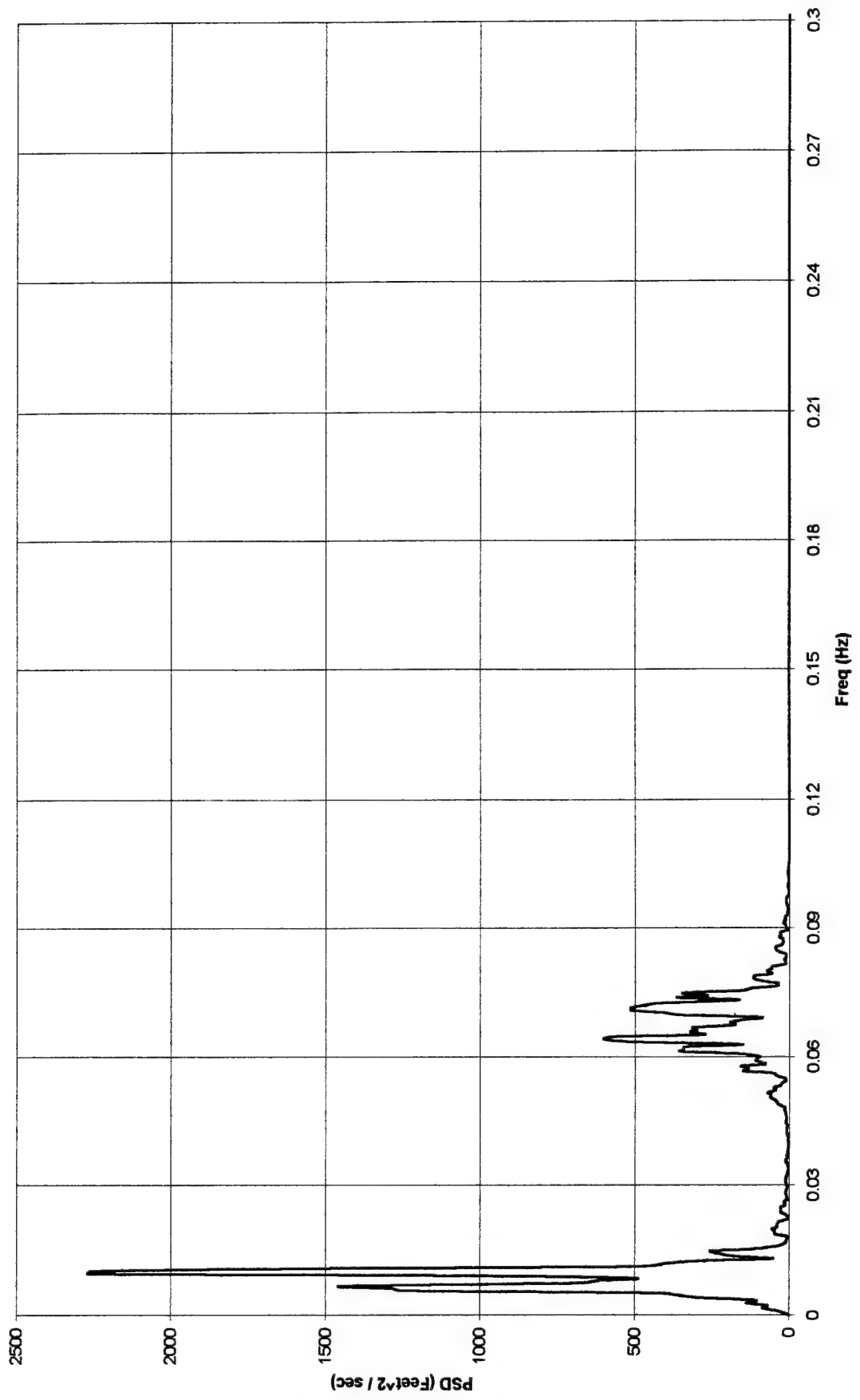
Test 222 - BEX-1 PSD



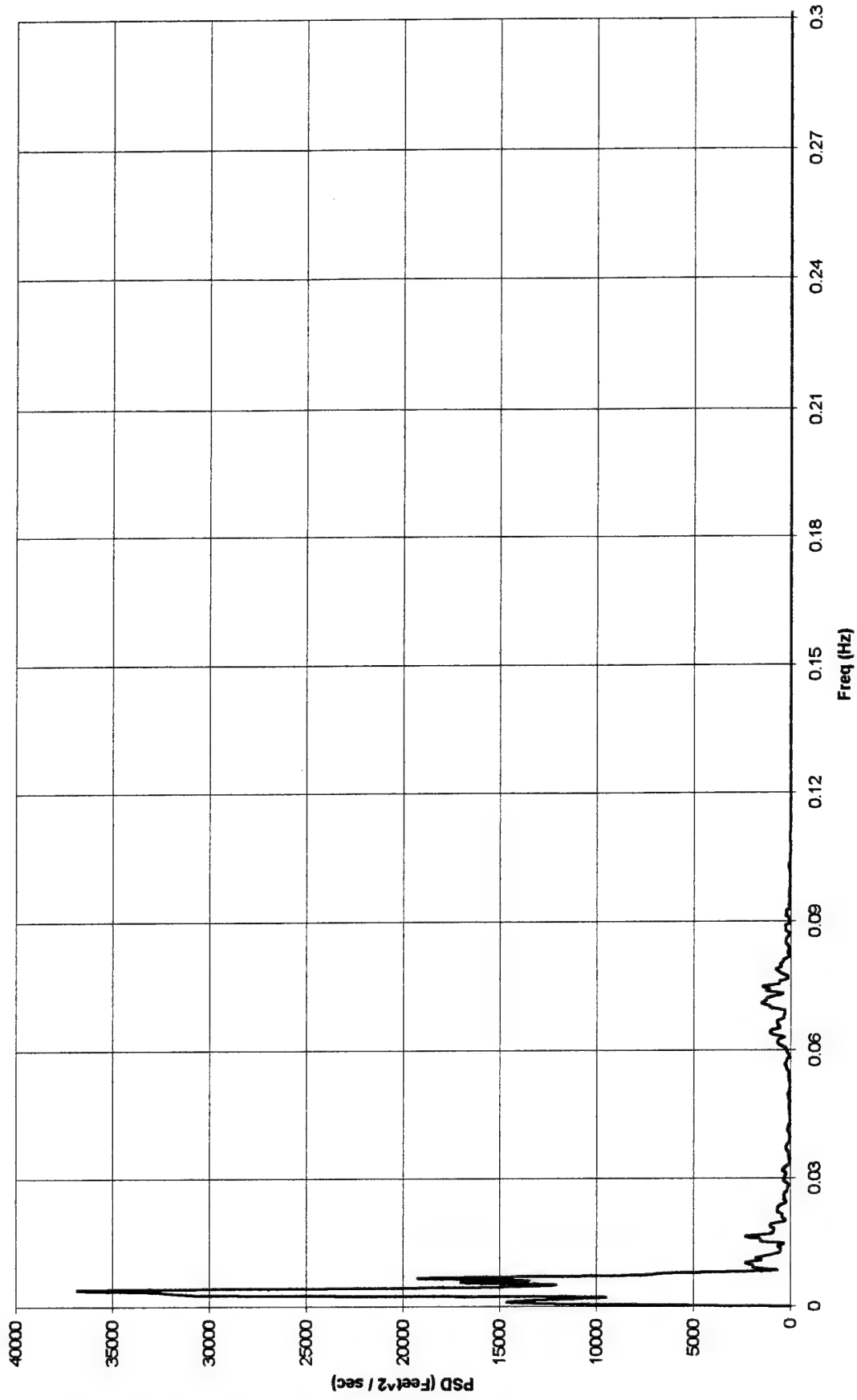
Test 223 - PITCH PSD



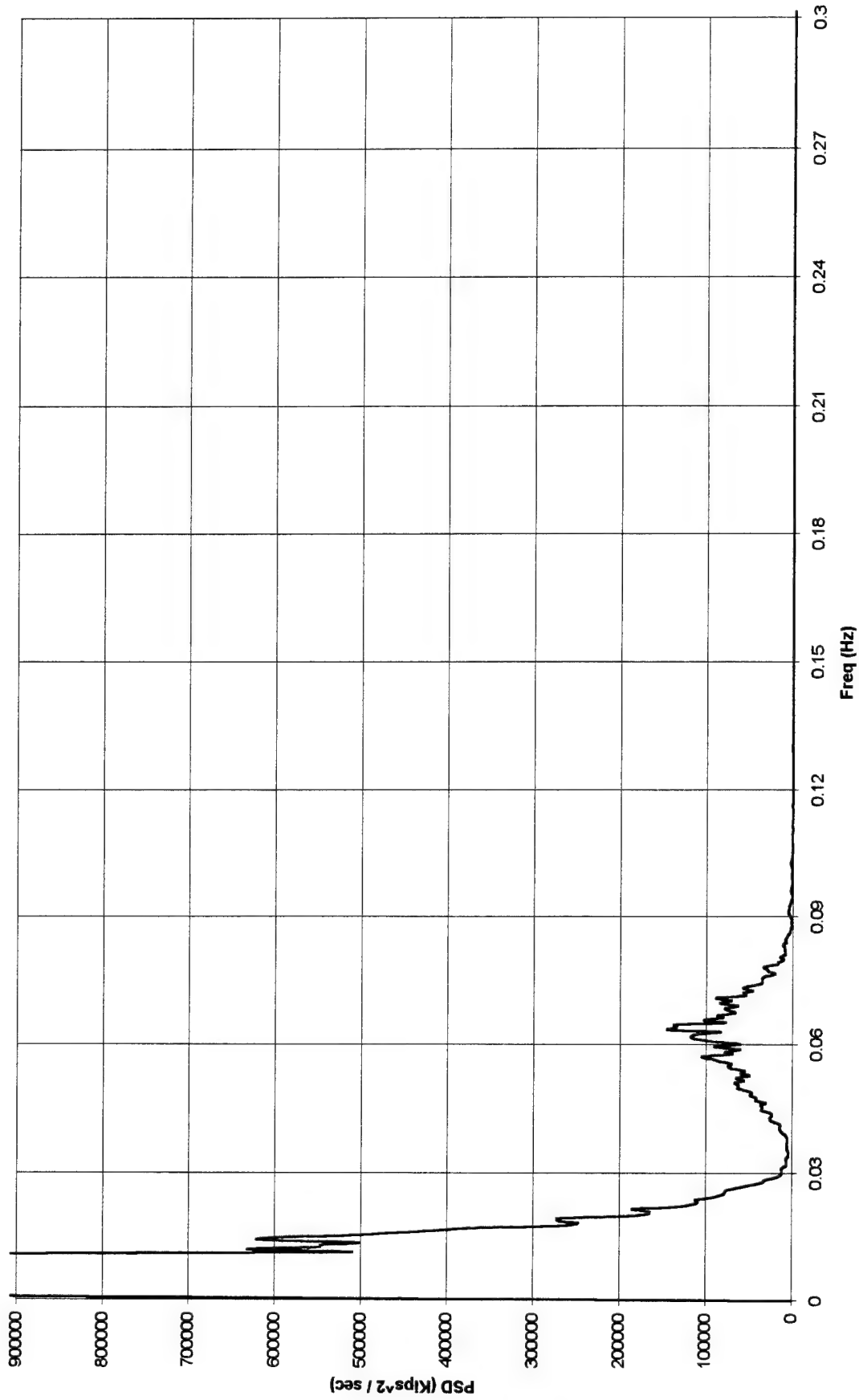
Test 223 - HEAVE PSD



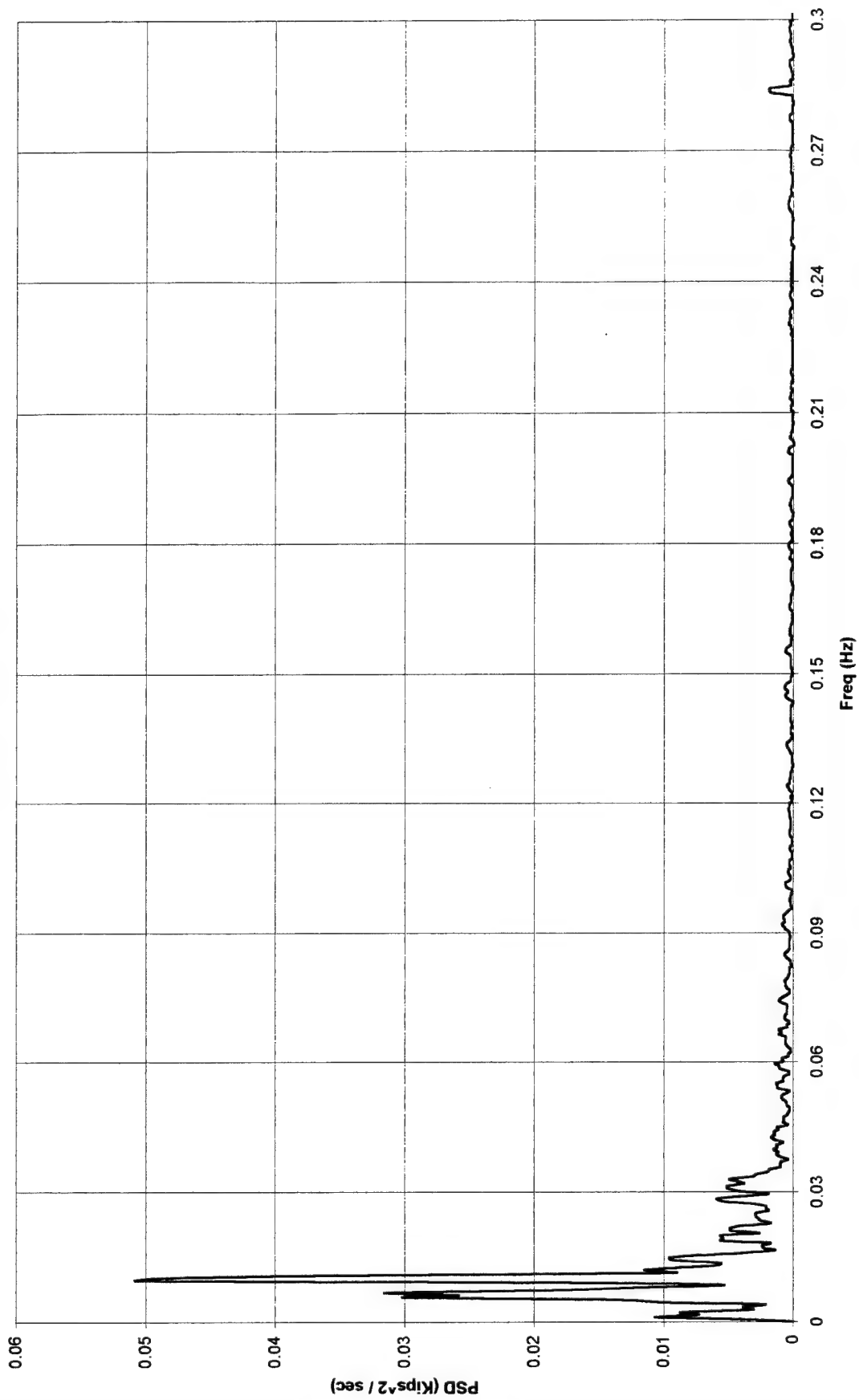
Test 223 - SURGE PSD



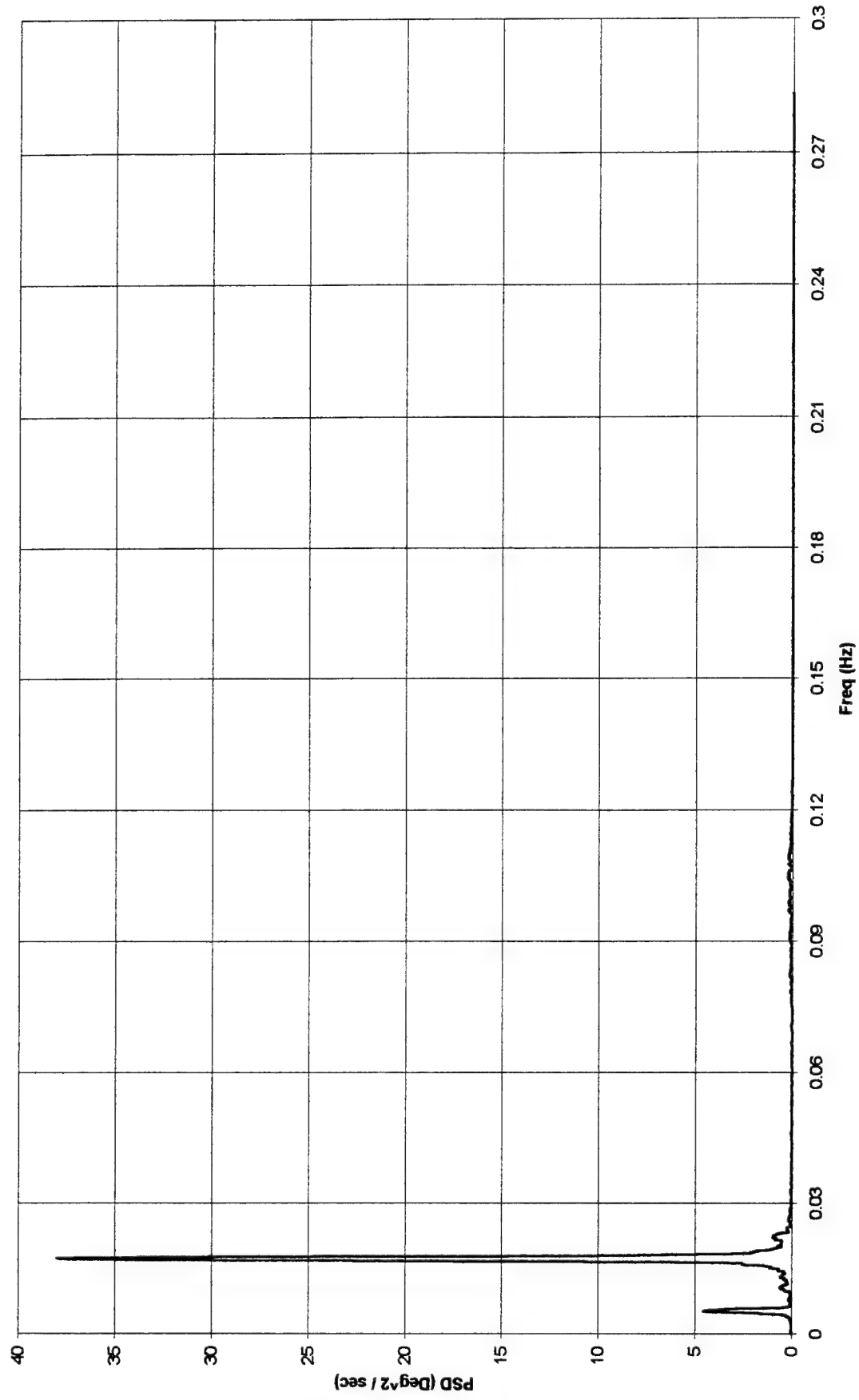
Test 223 - ML-1 PSD



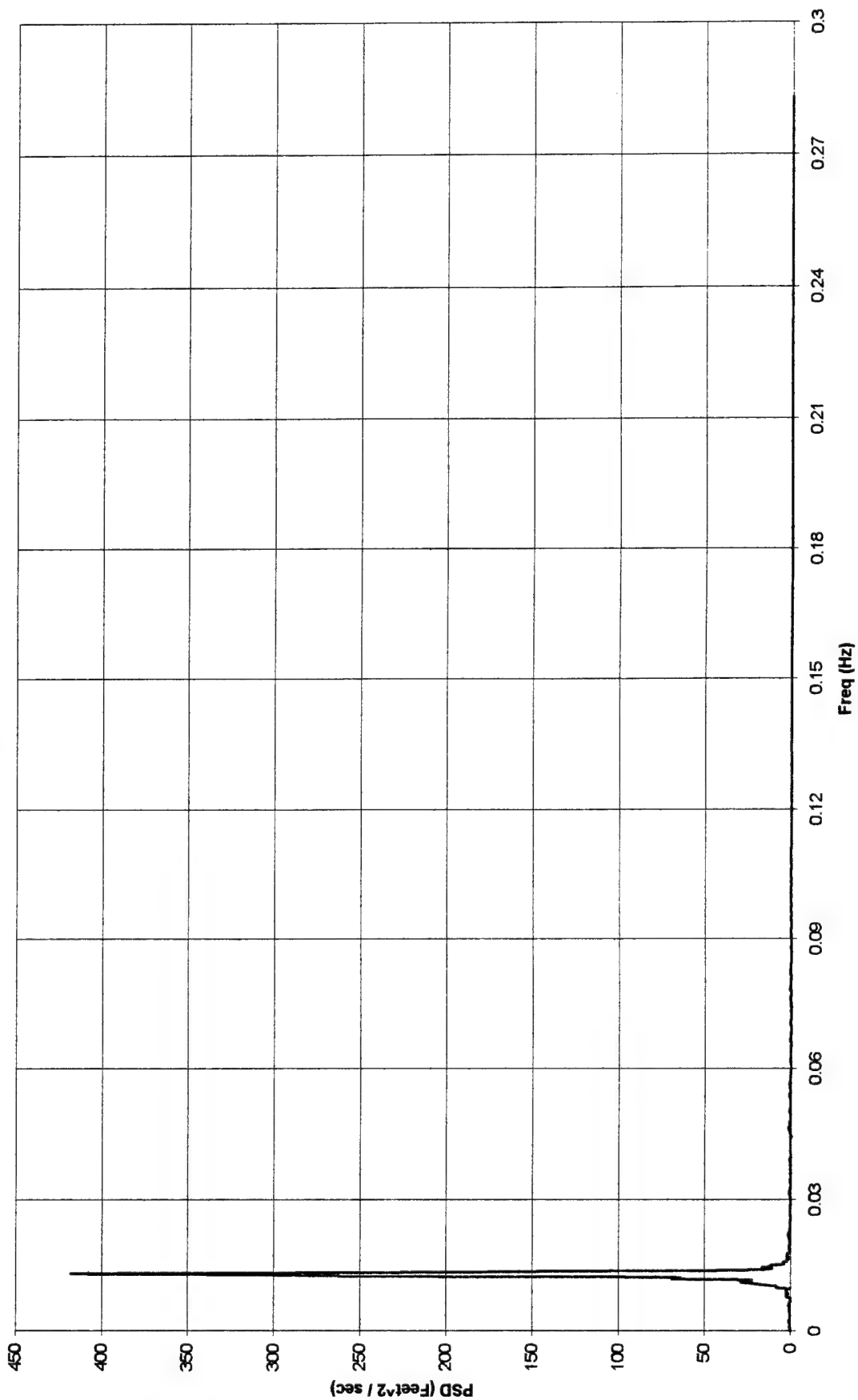
Test 223 - BEX-1 PSD



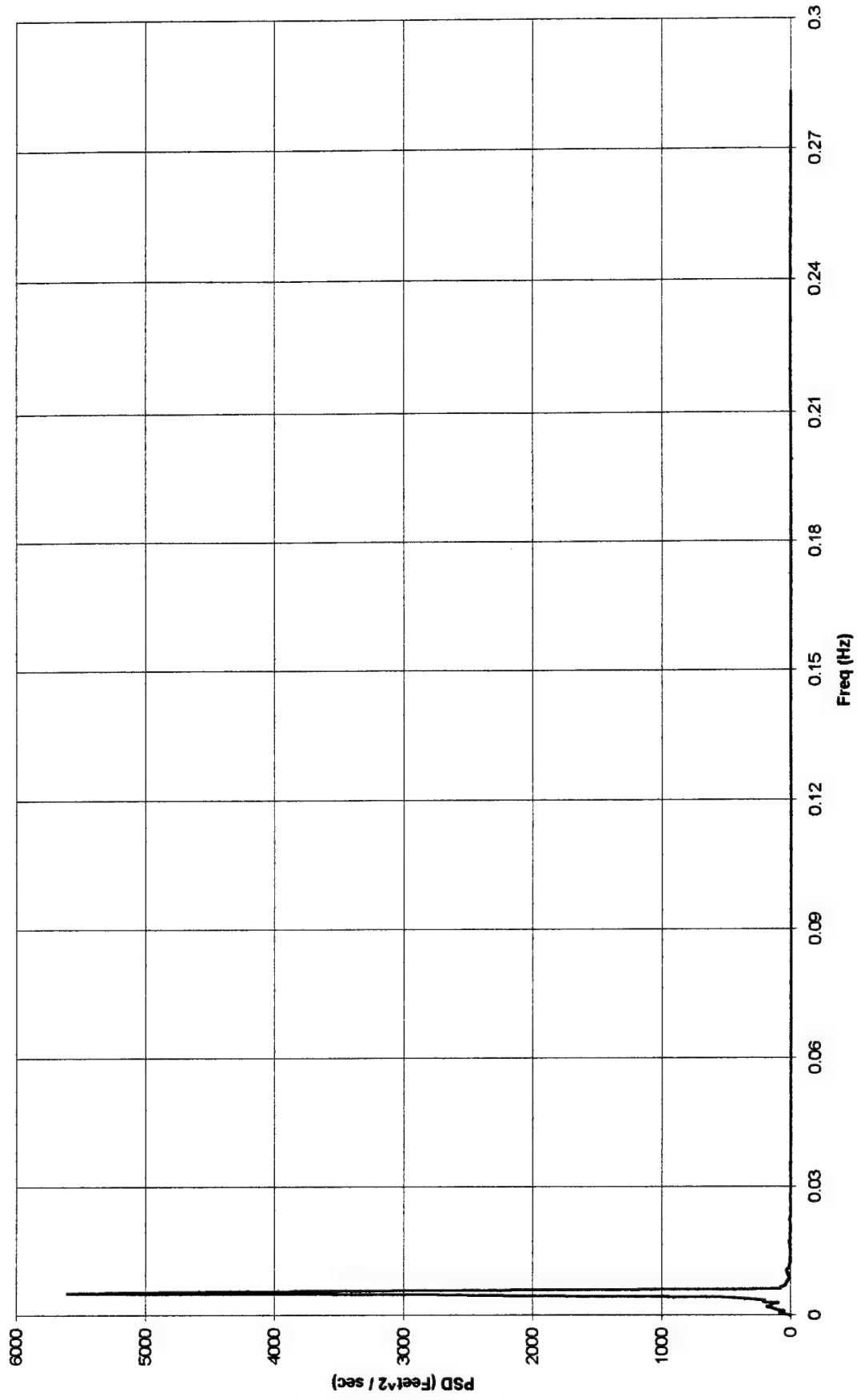
Test 321 - PITCH PSD



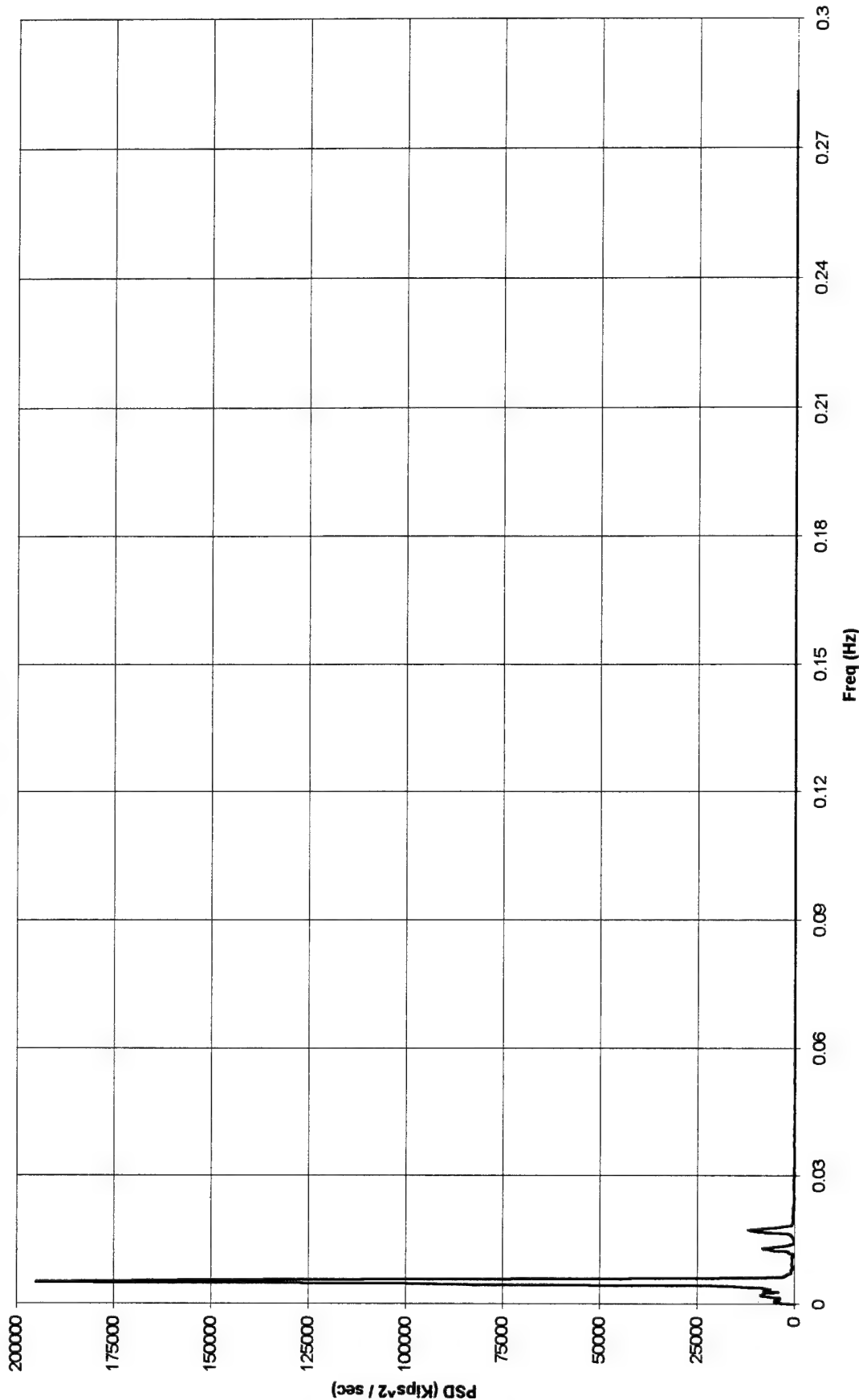
Test 321 - HEAVE PSD



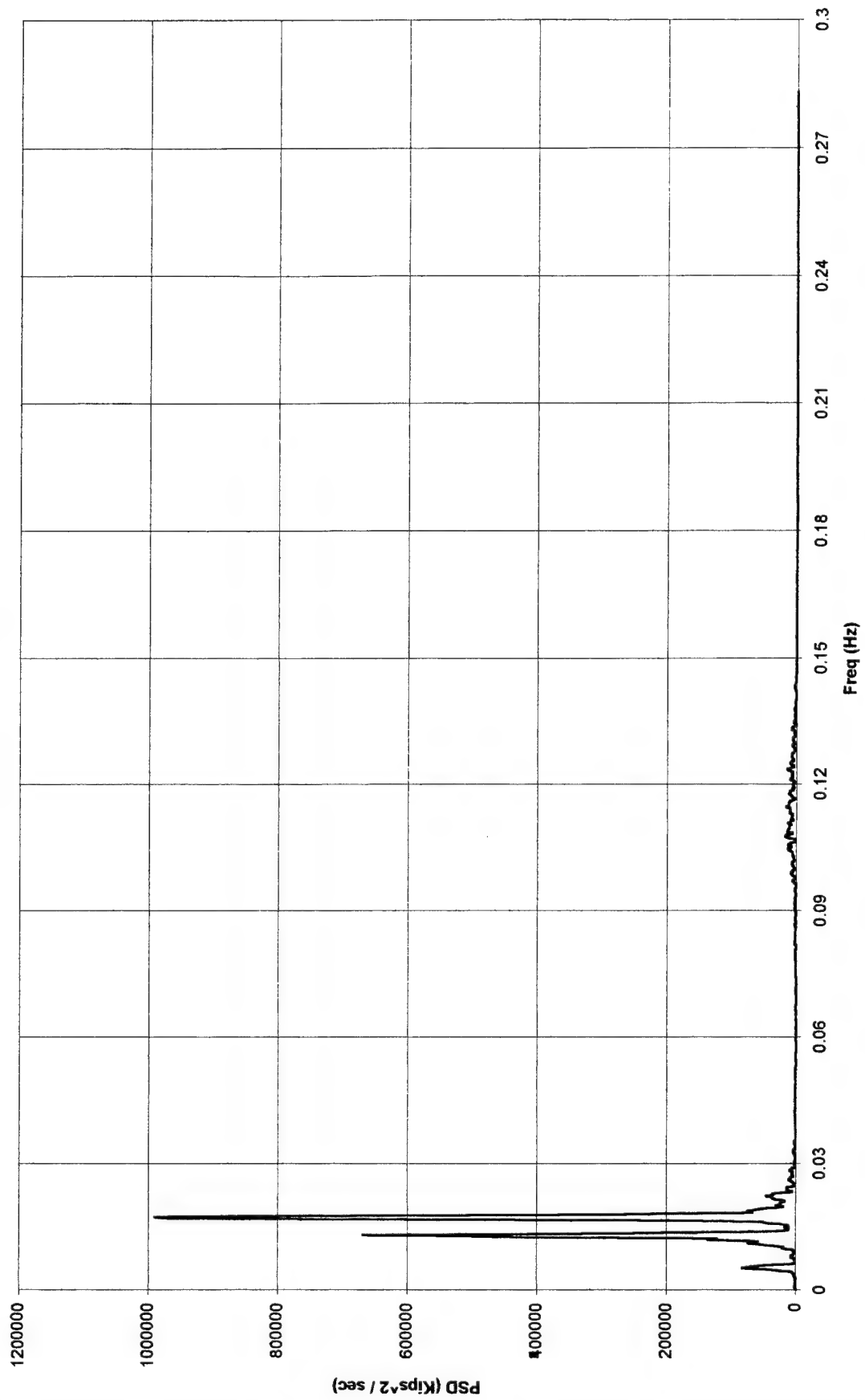
Test 321 - SURGE PSD



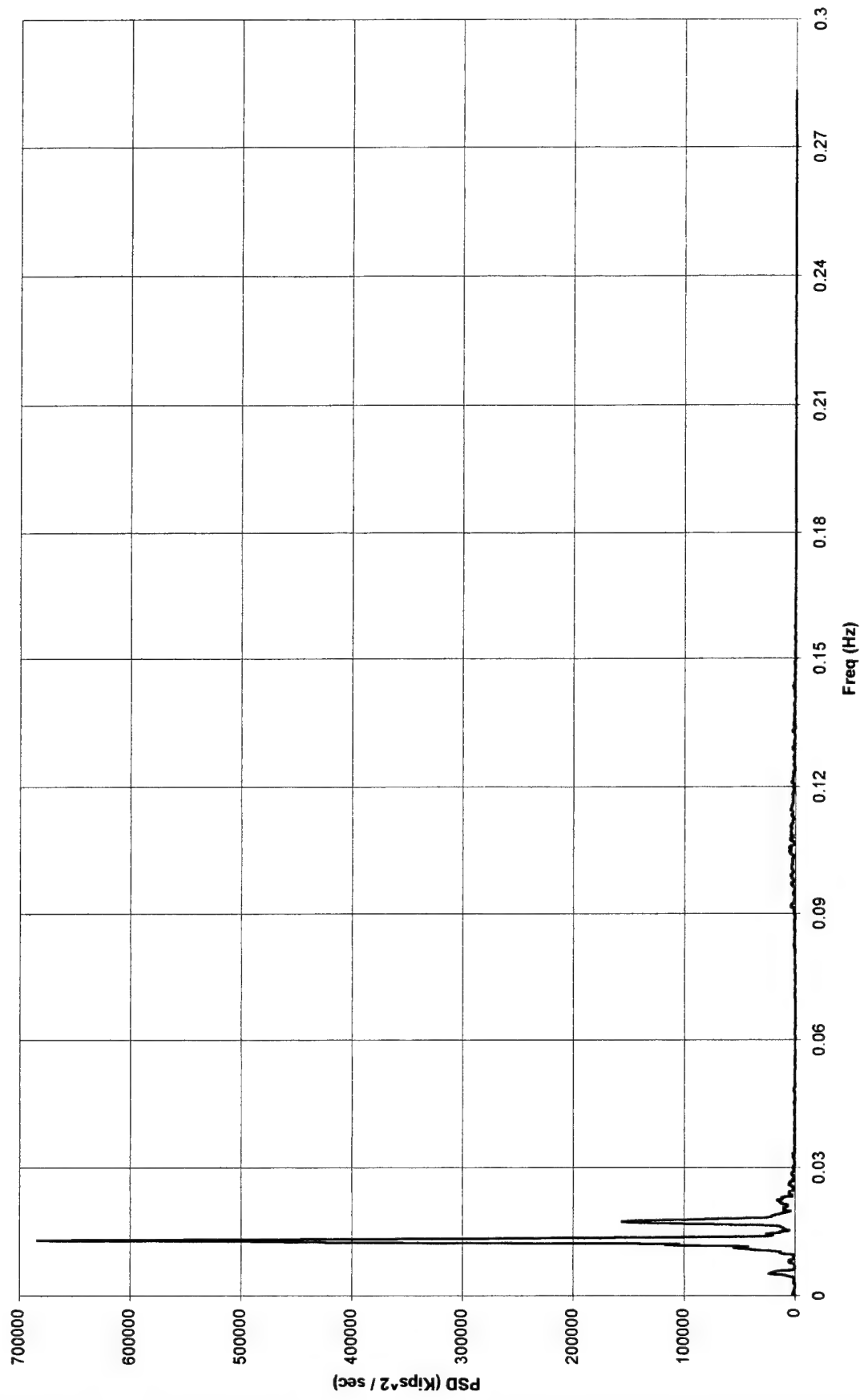
Test 321 - ML-1 PSD



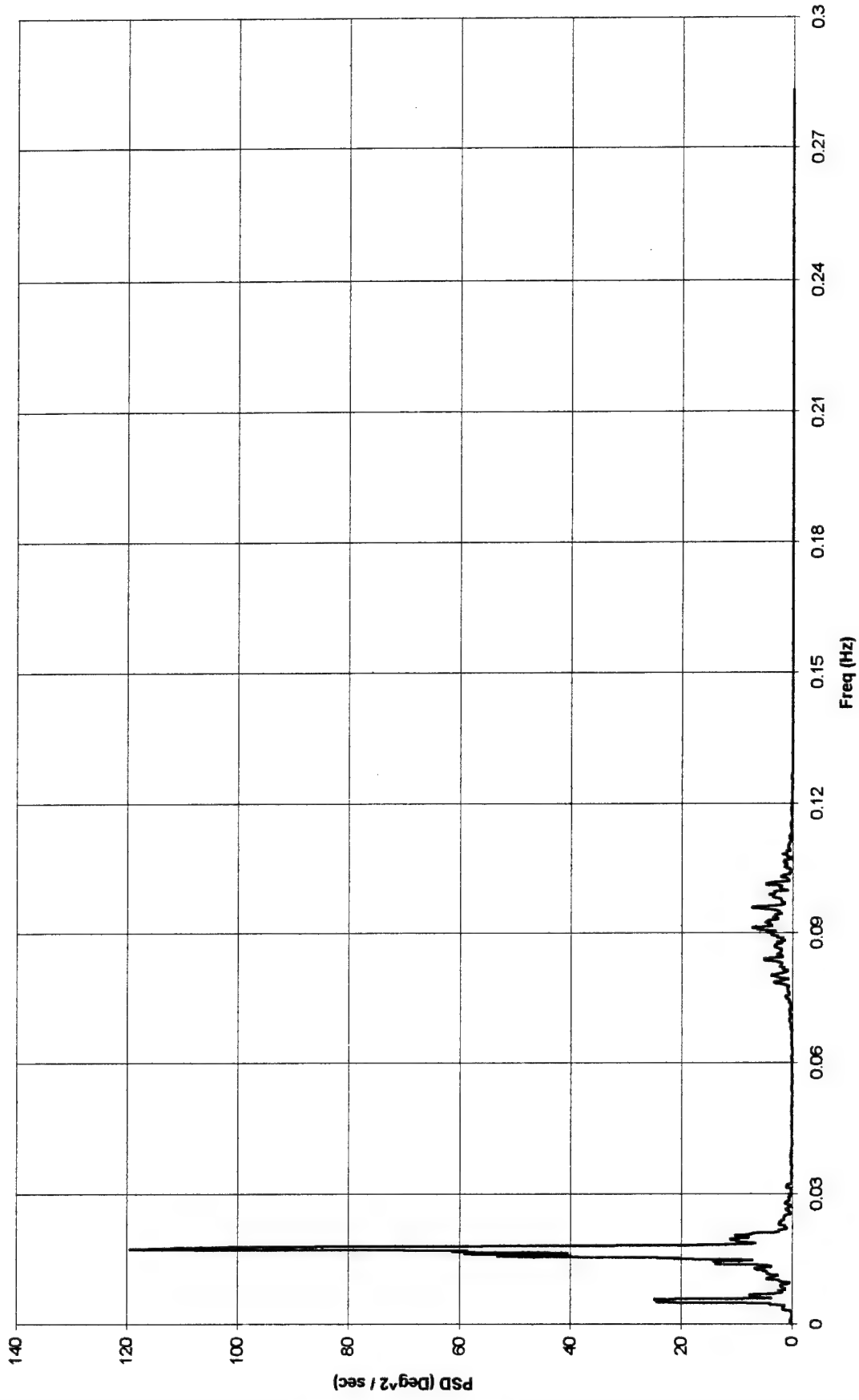
Test 321 - BT-1 PSD



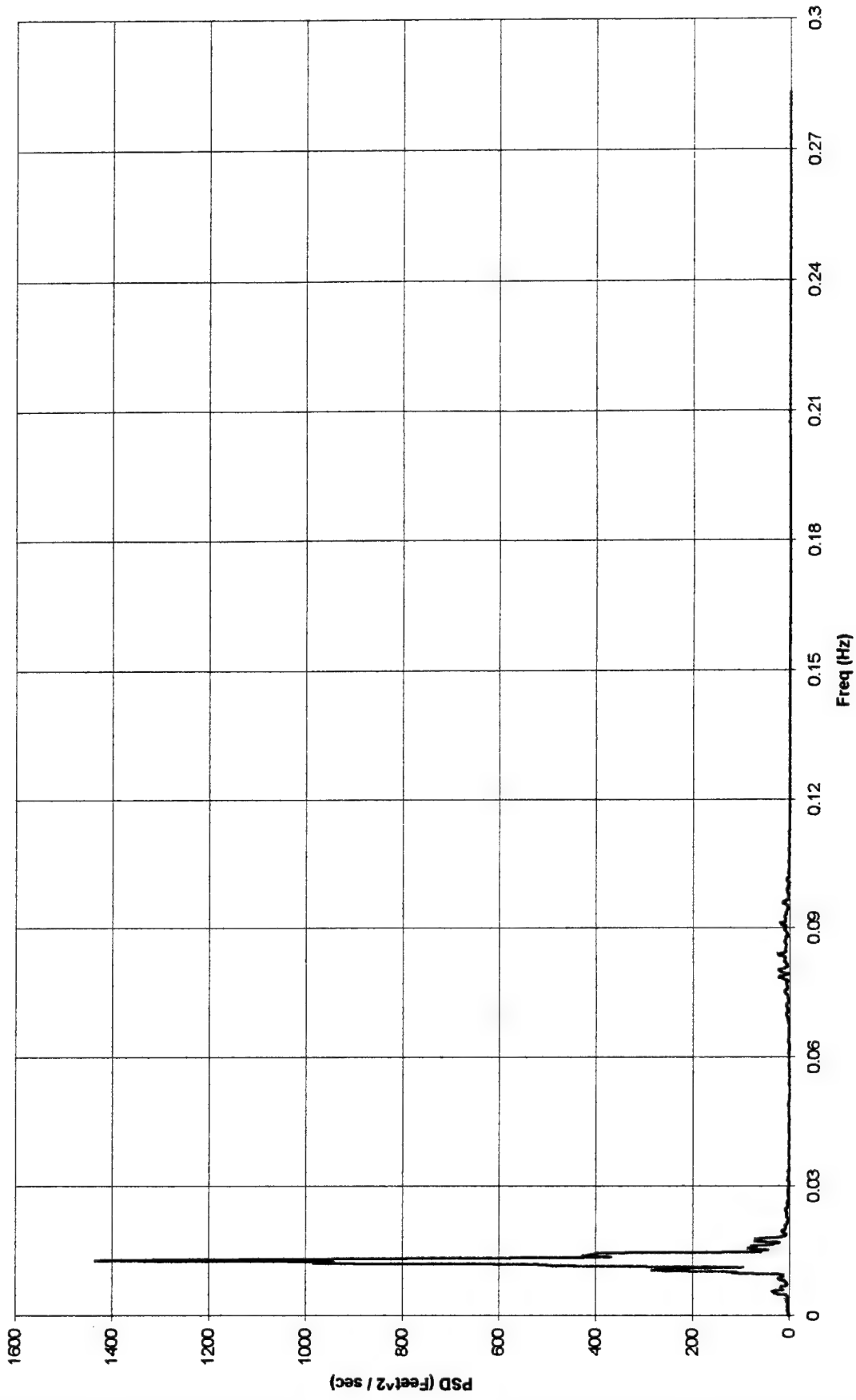
Test 321 - BT-2 PSD



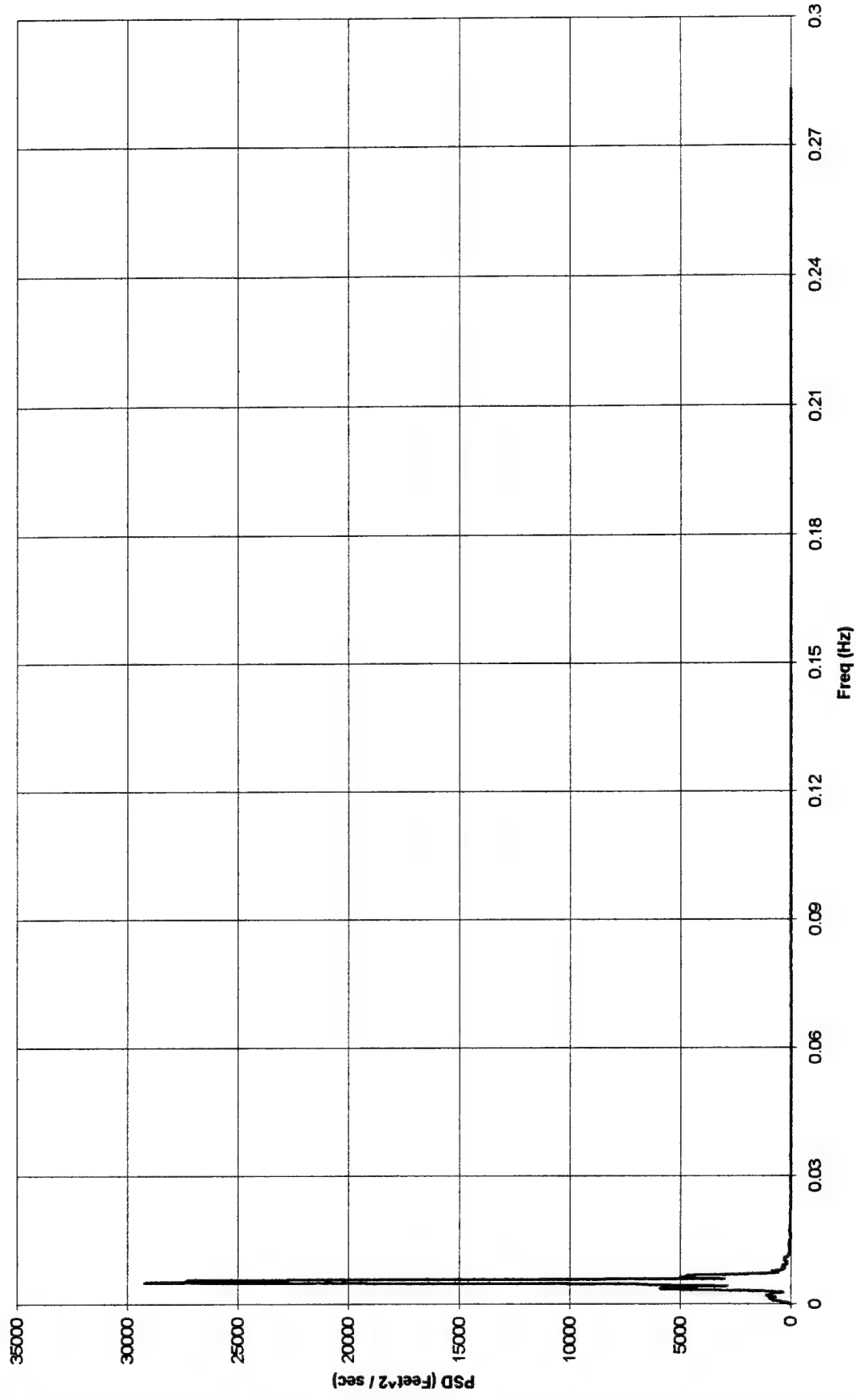
Test 322 - PITCH PSD



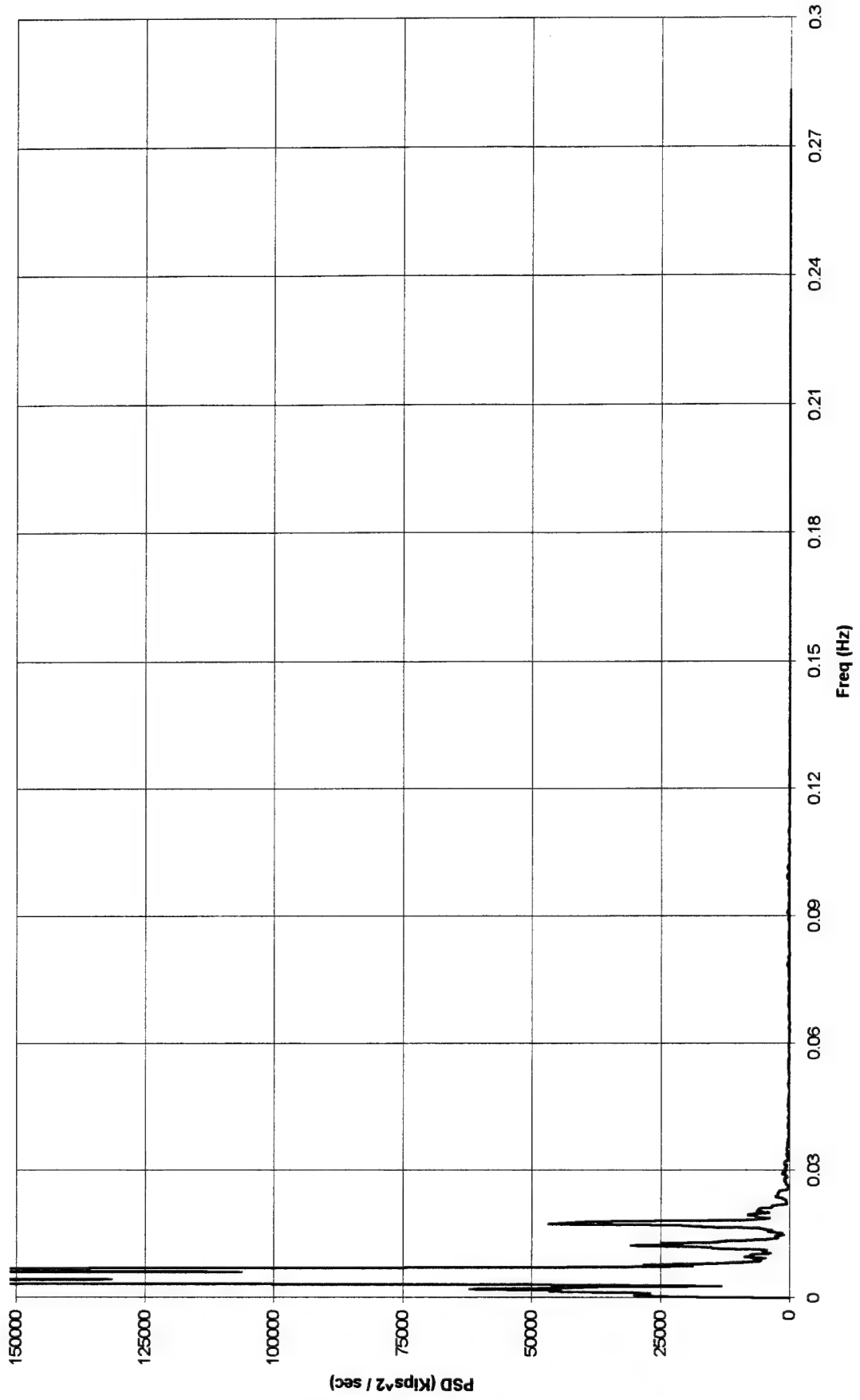
Test 322 - HEAVE PSD



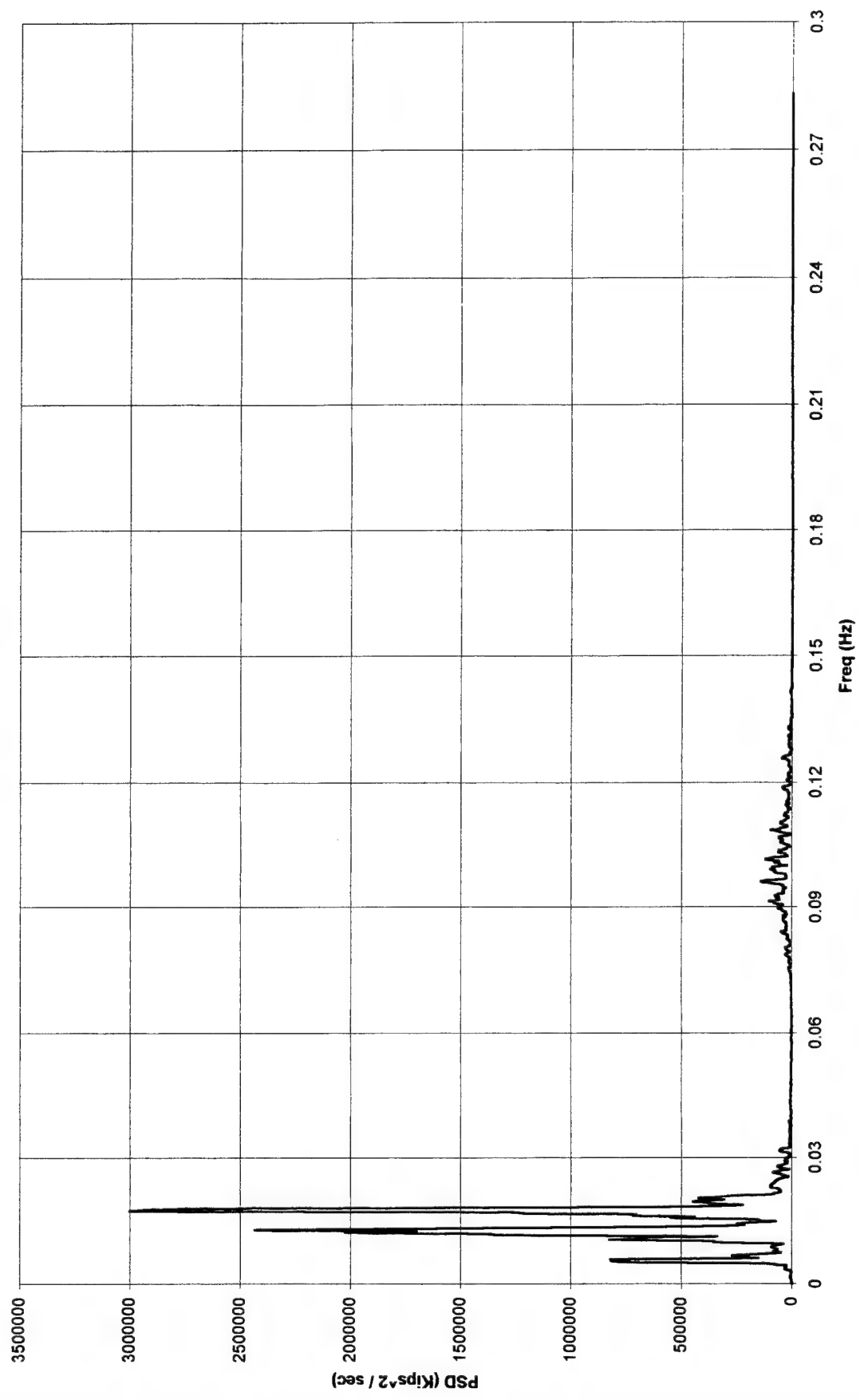
Test 322 - SURGE PSD



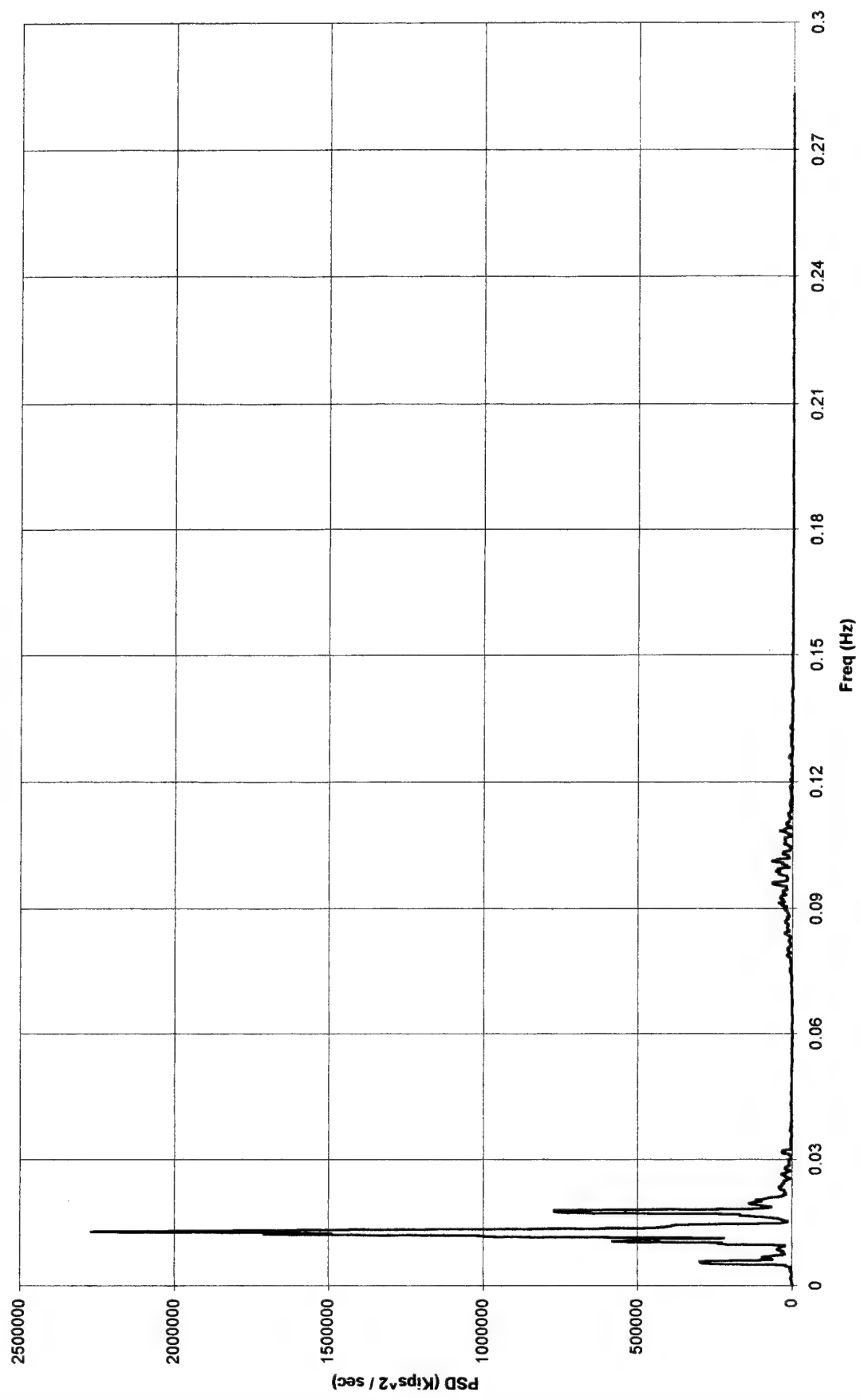
Test 322 - ML-1 PSD



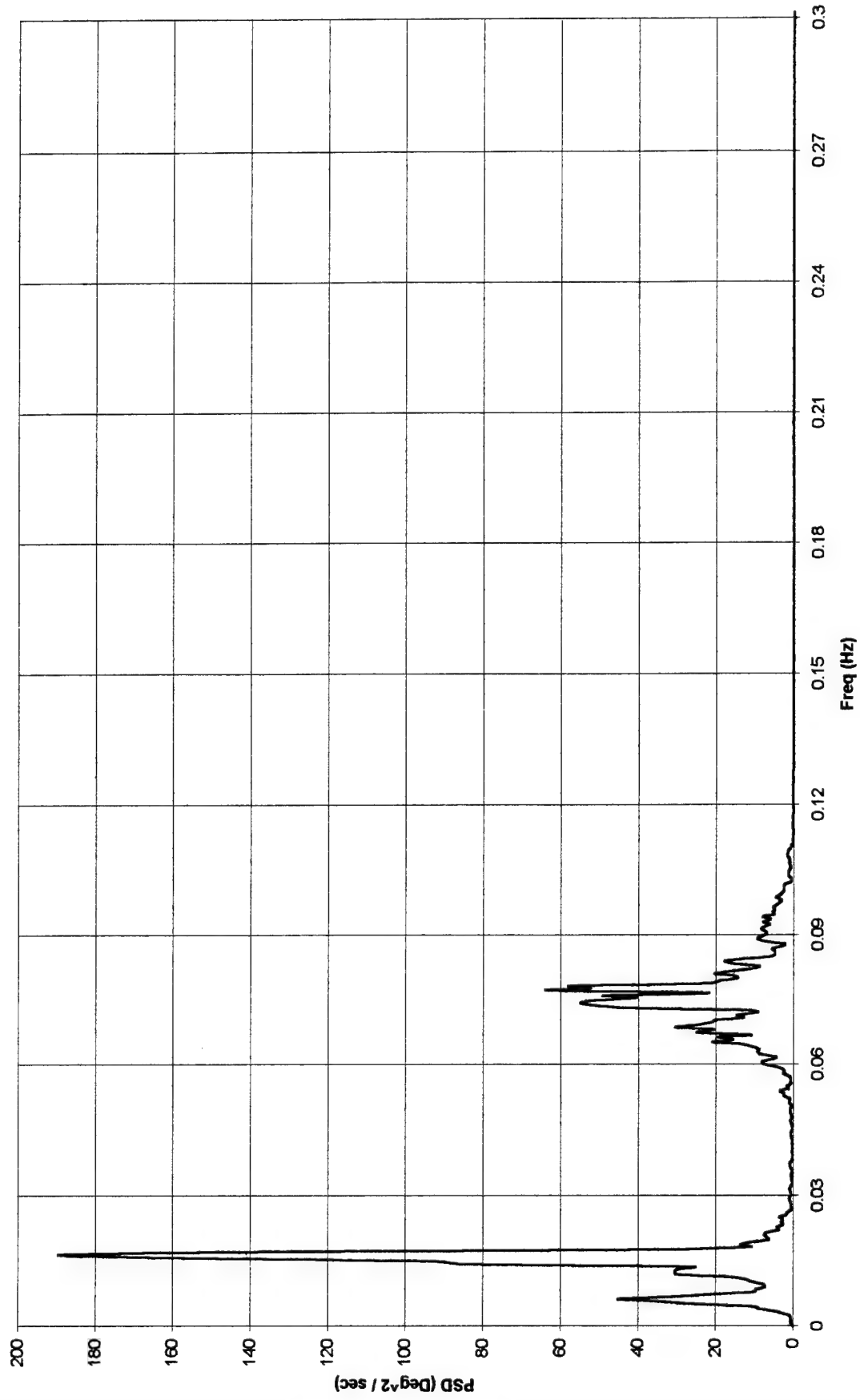
Test 322 - BT-1 PSD



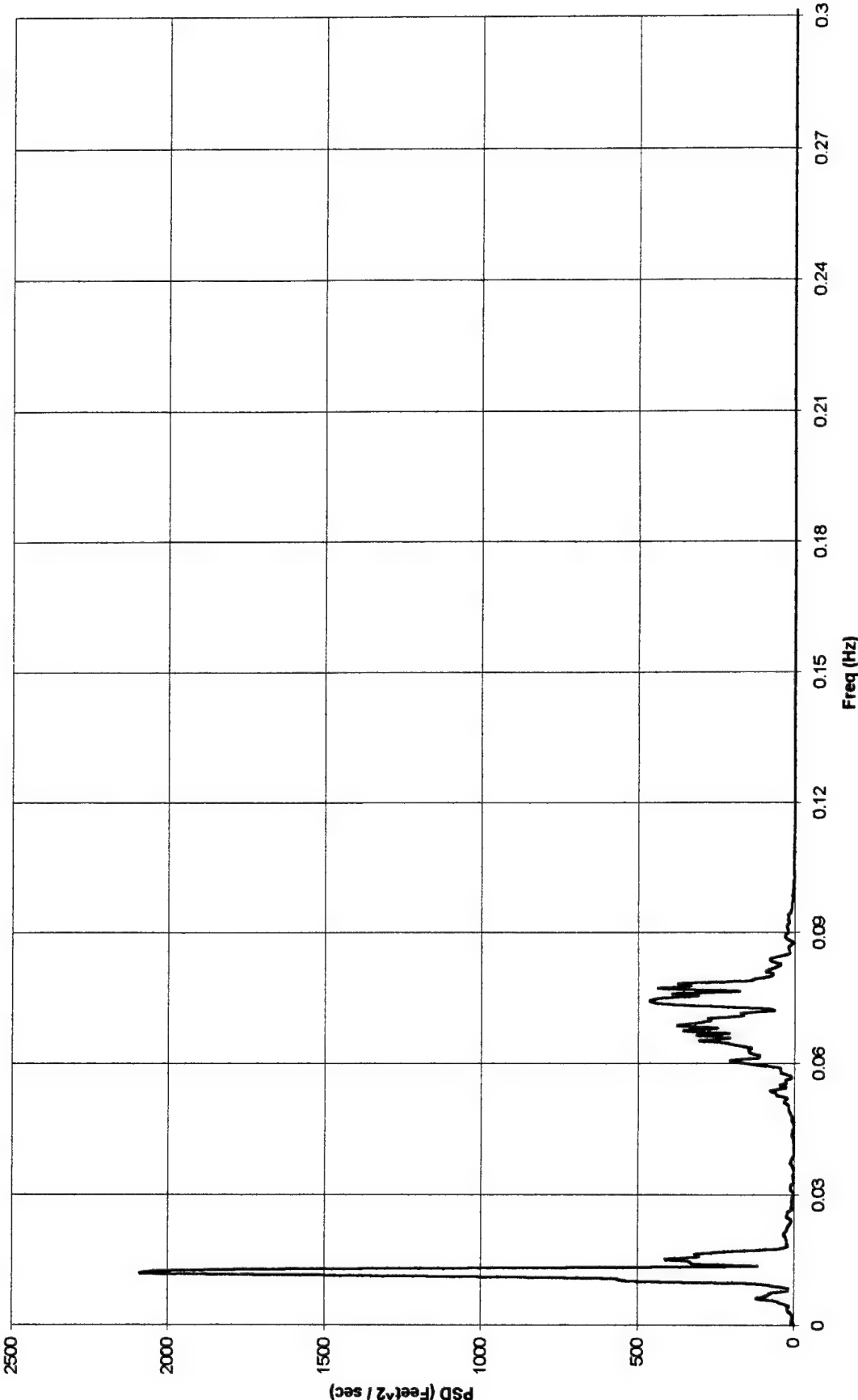
Test 322 - BT-2 PSD



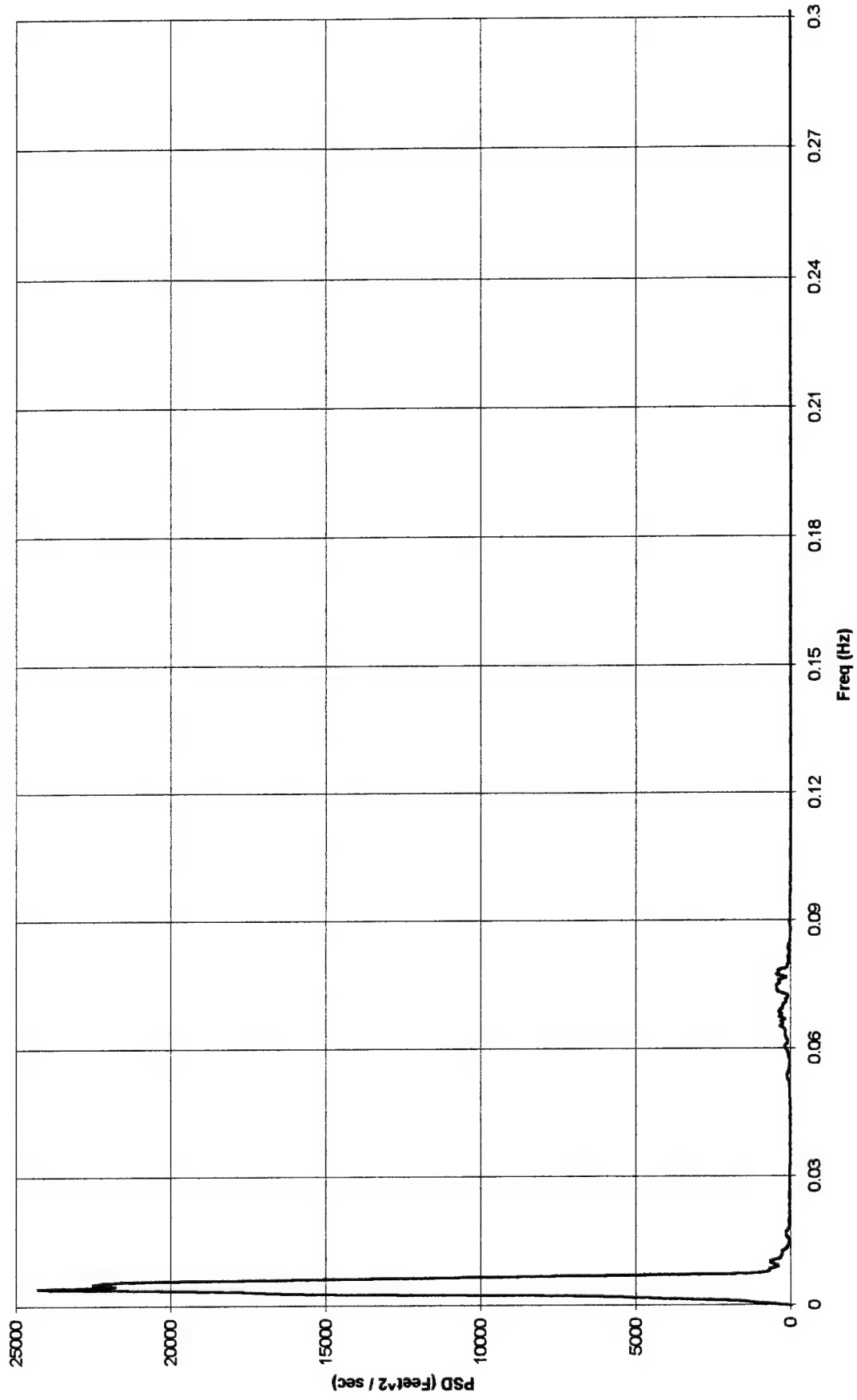
Test 323 - PITCH PSD



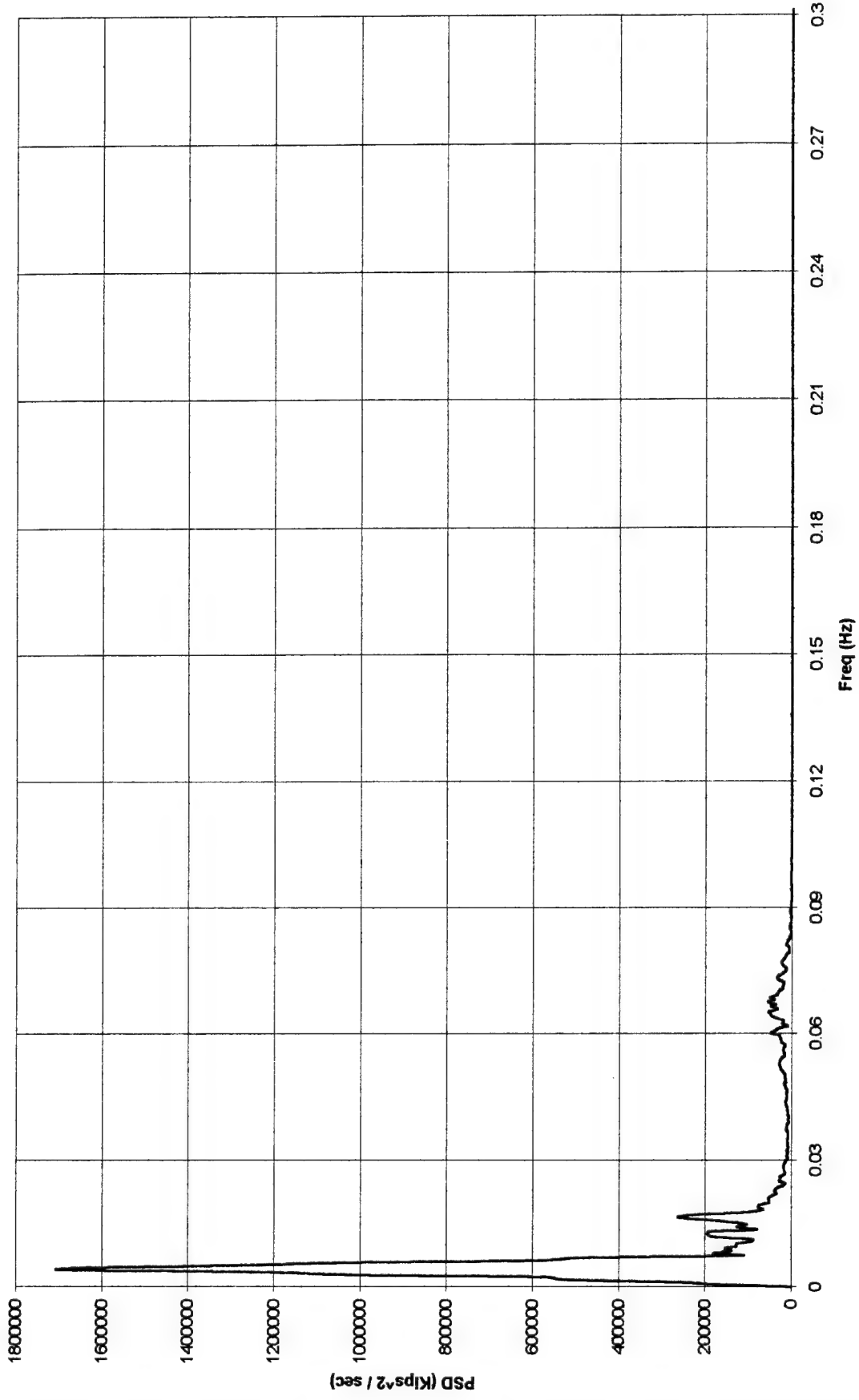
Test 323- HEAVE PSD



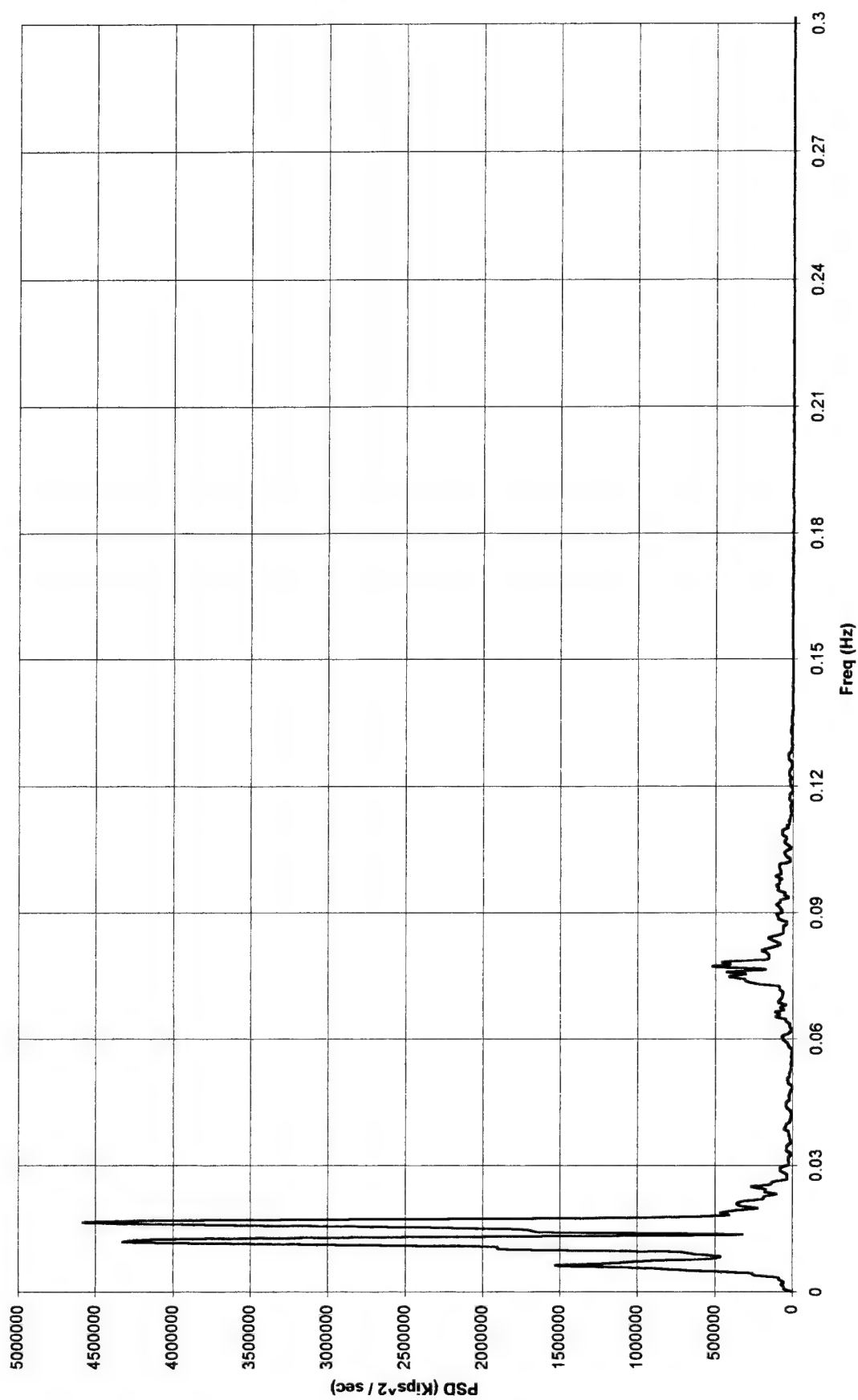
Test 323 - SURGE PSD



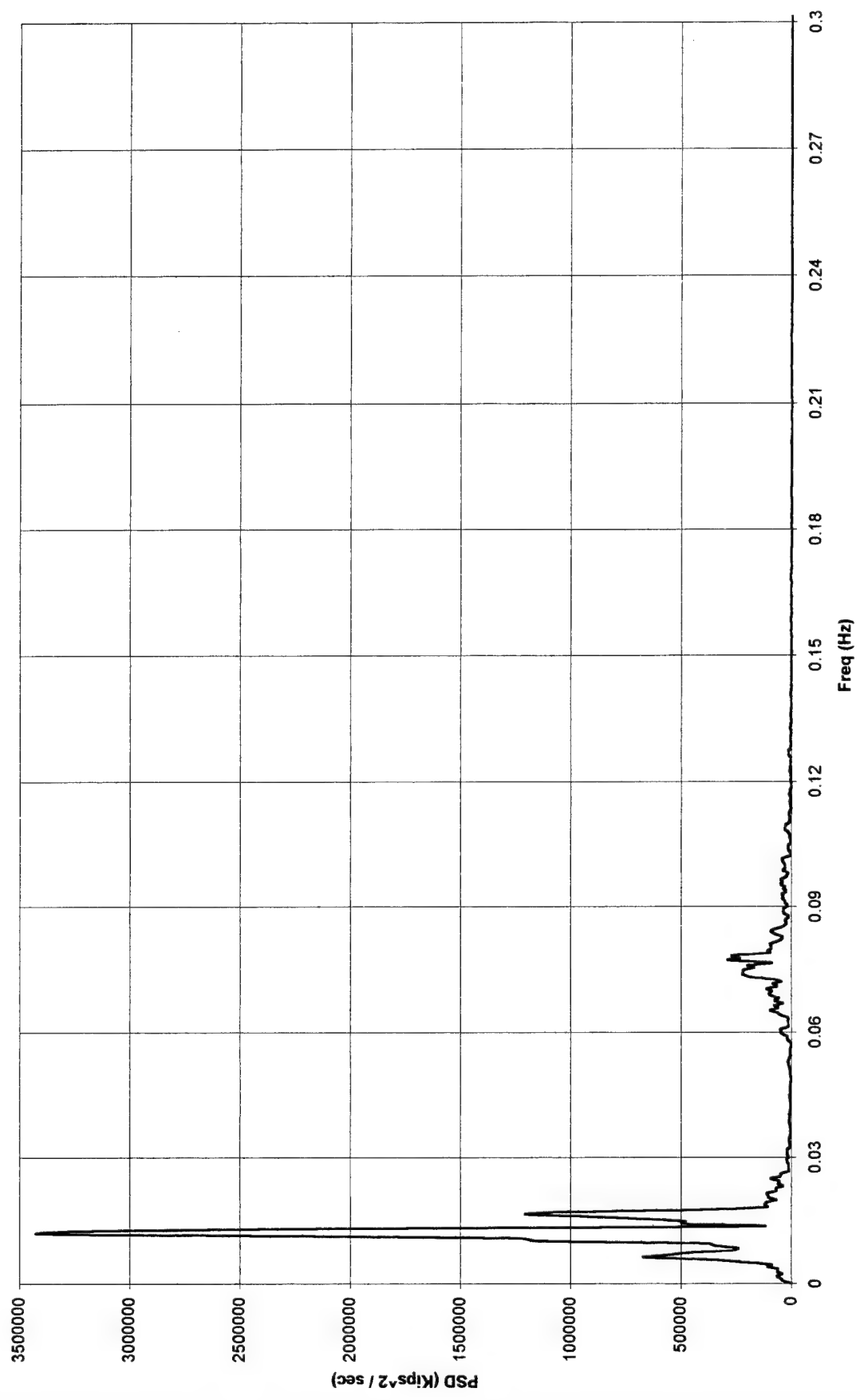
Test 323 - ML-1 PSD



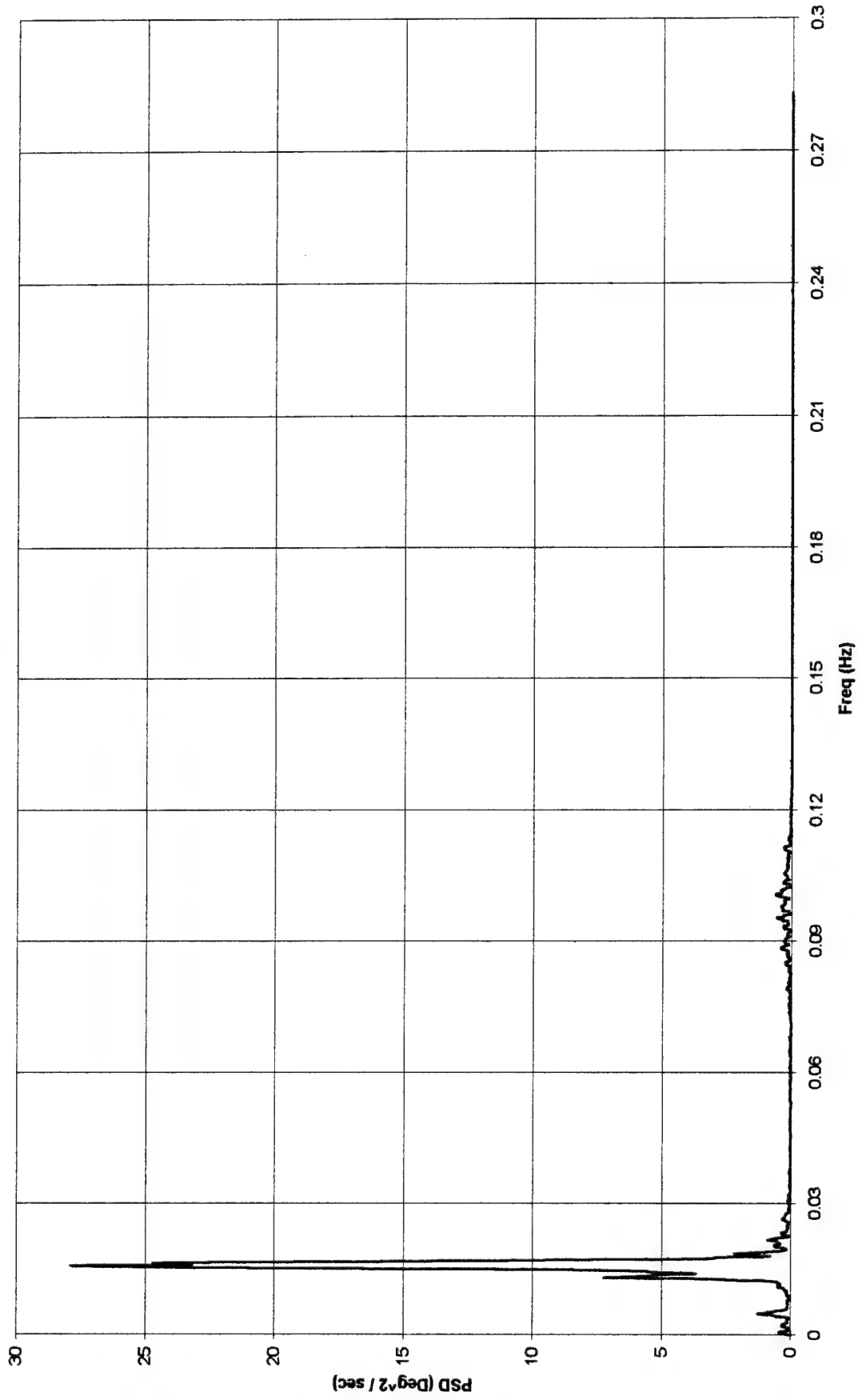
Test 323 - BT-1 PSD



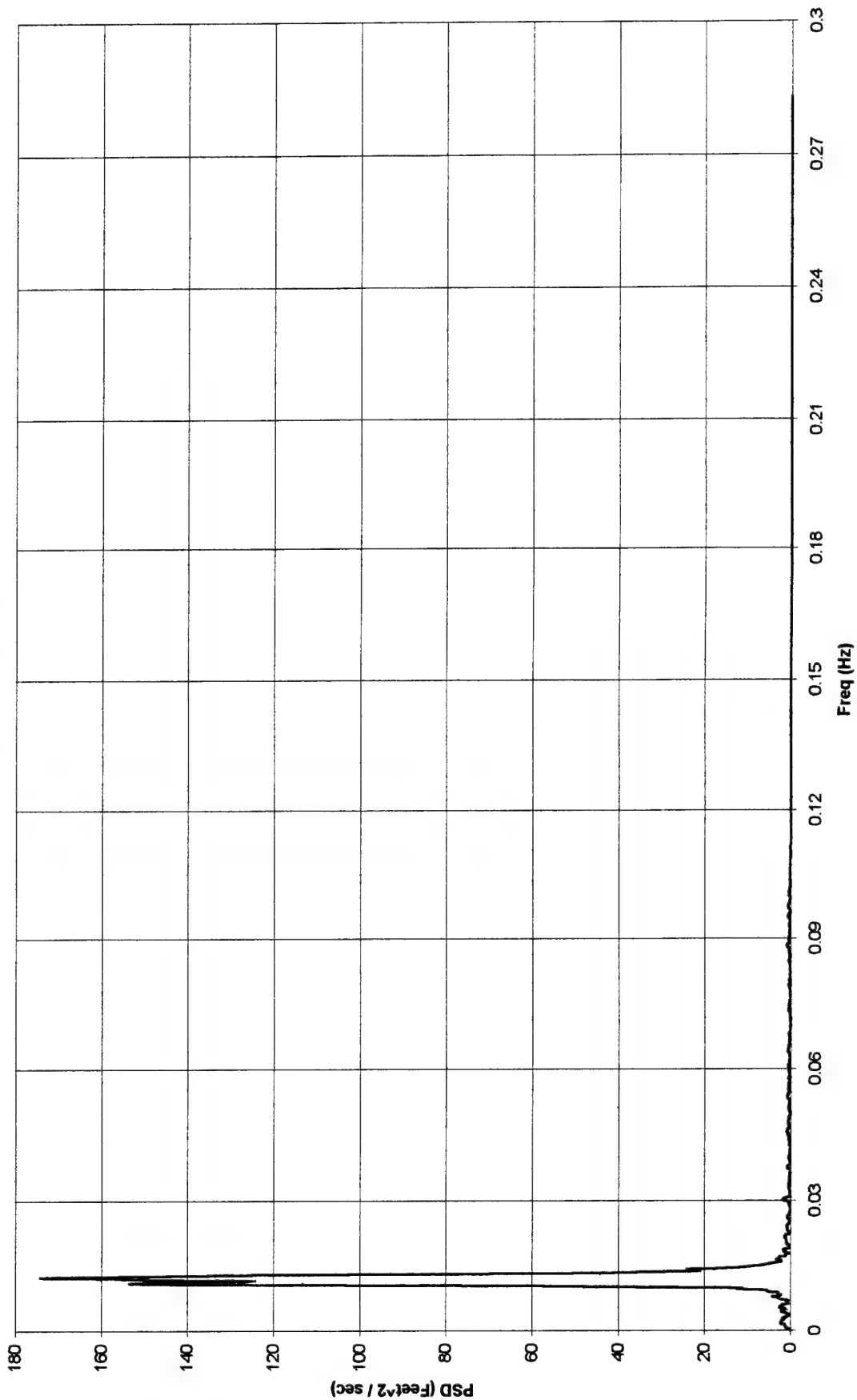
Test 323 - BT-2 PSD



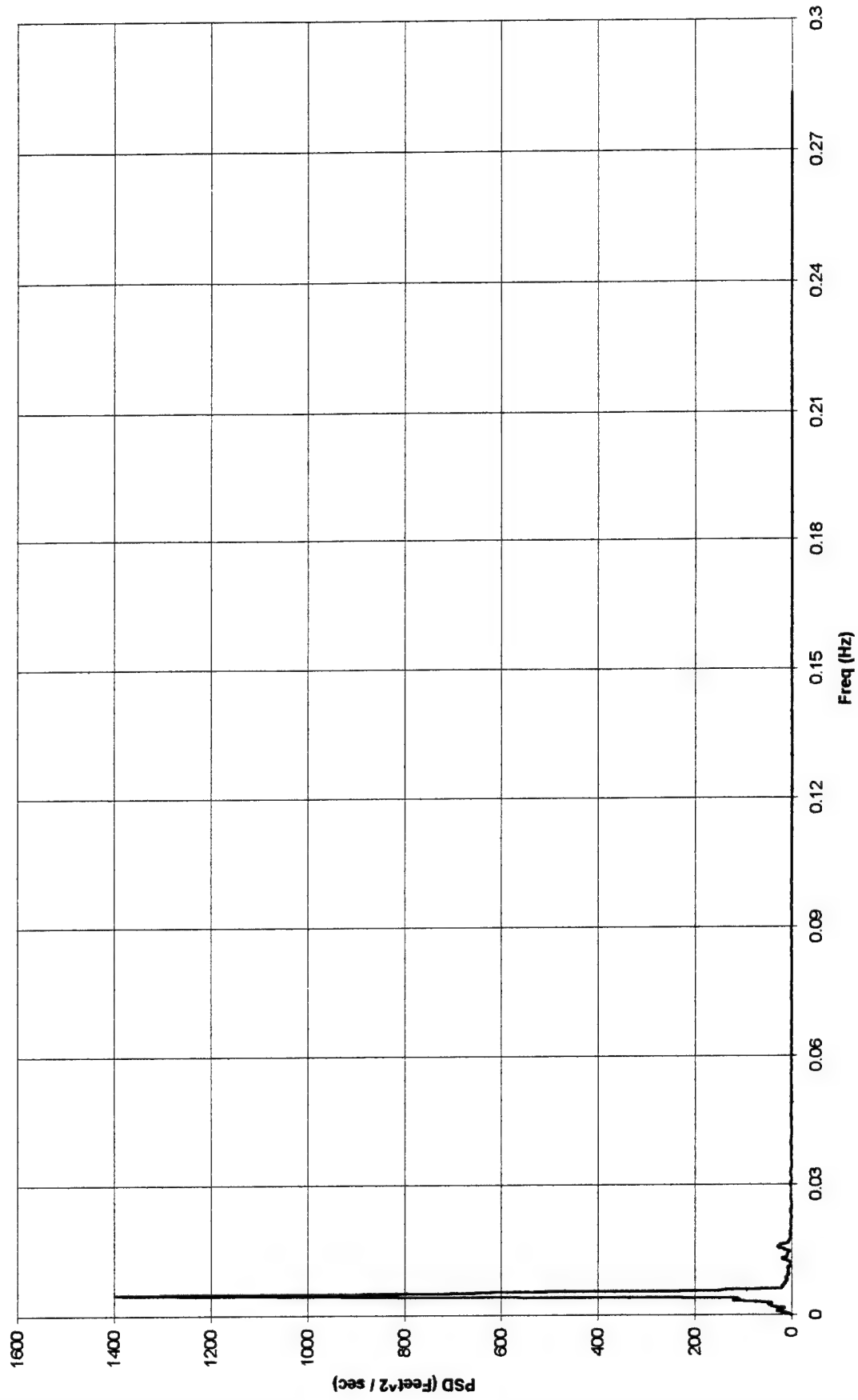
Test 361- PITCH PSD



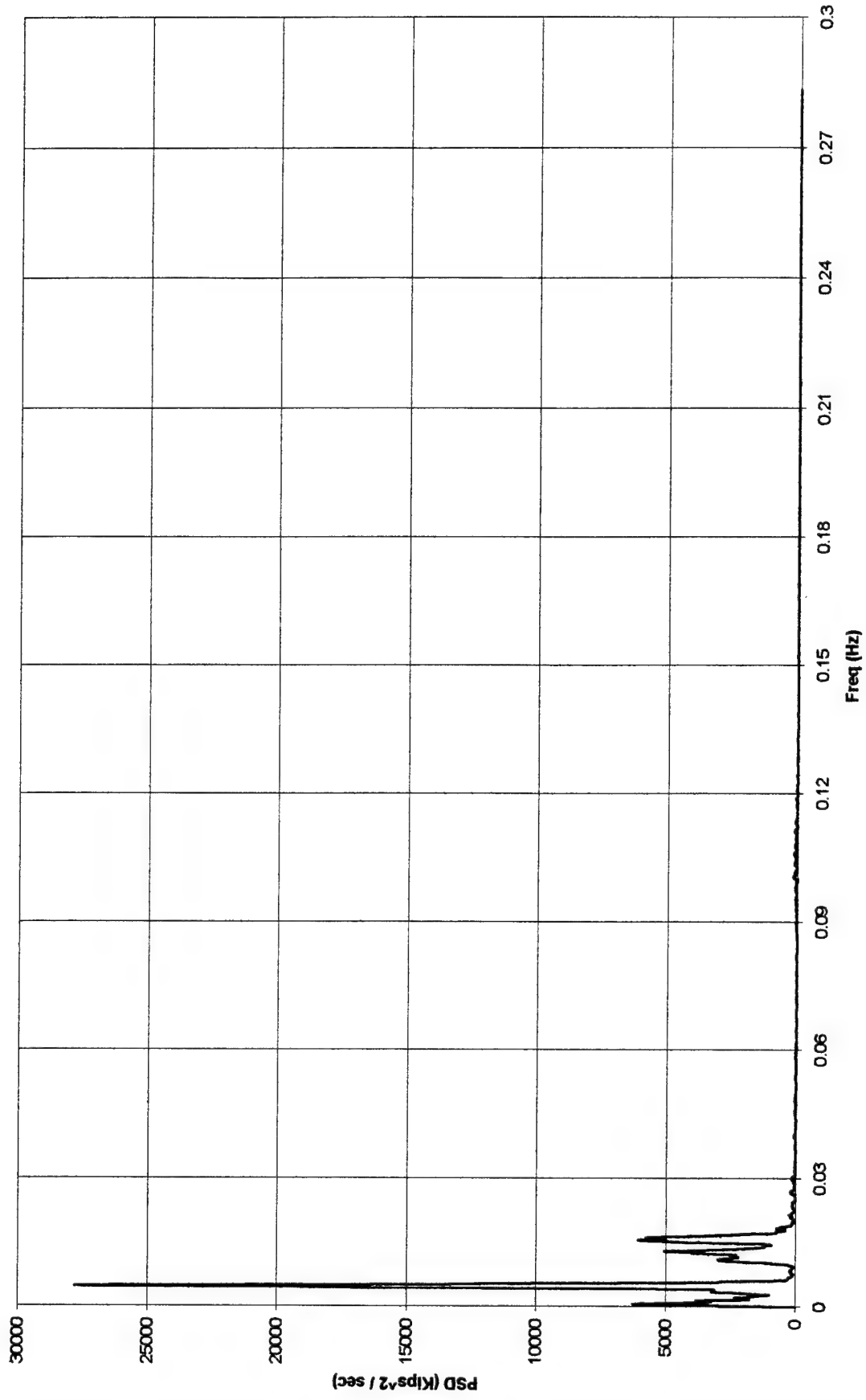
Test 361 - HEAVE PSD



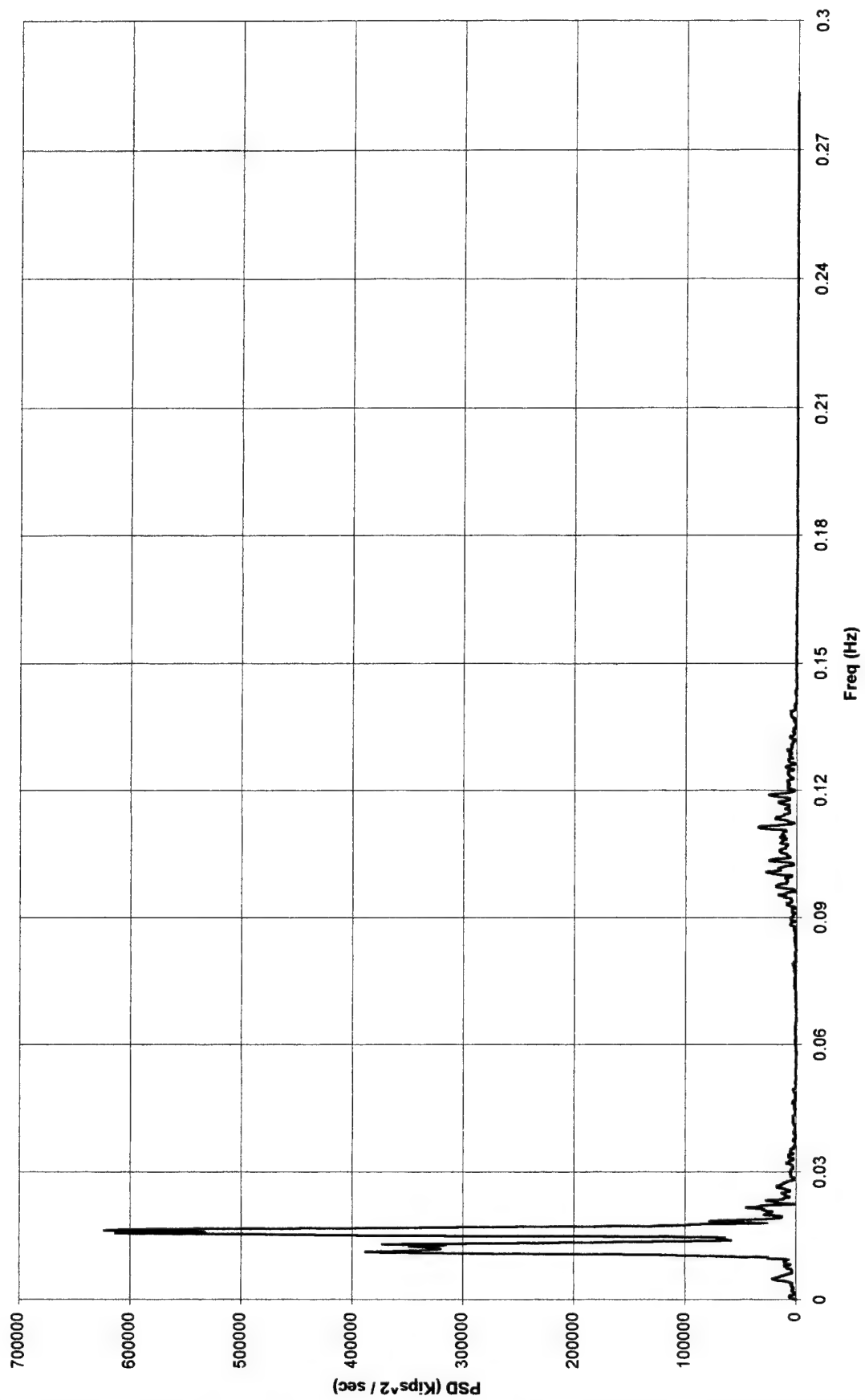
Test 361 - SURGE PSD



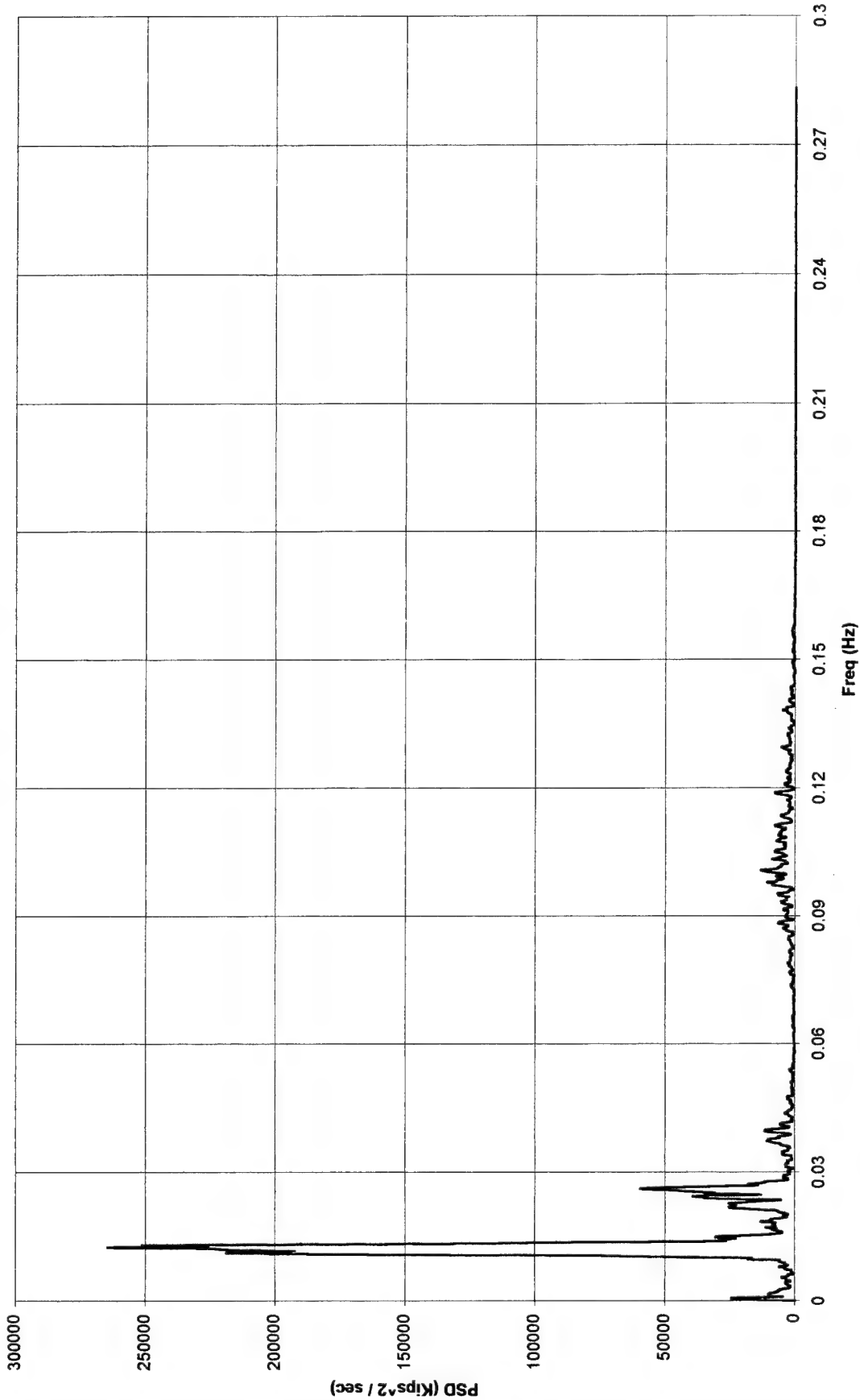
Test 361 - ML-1 PSD



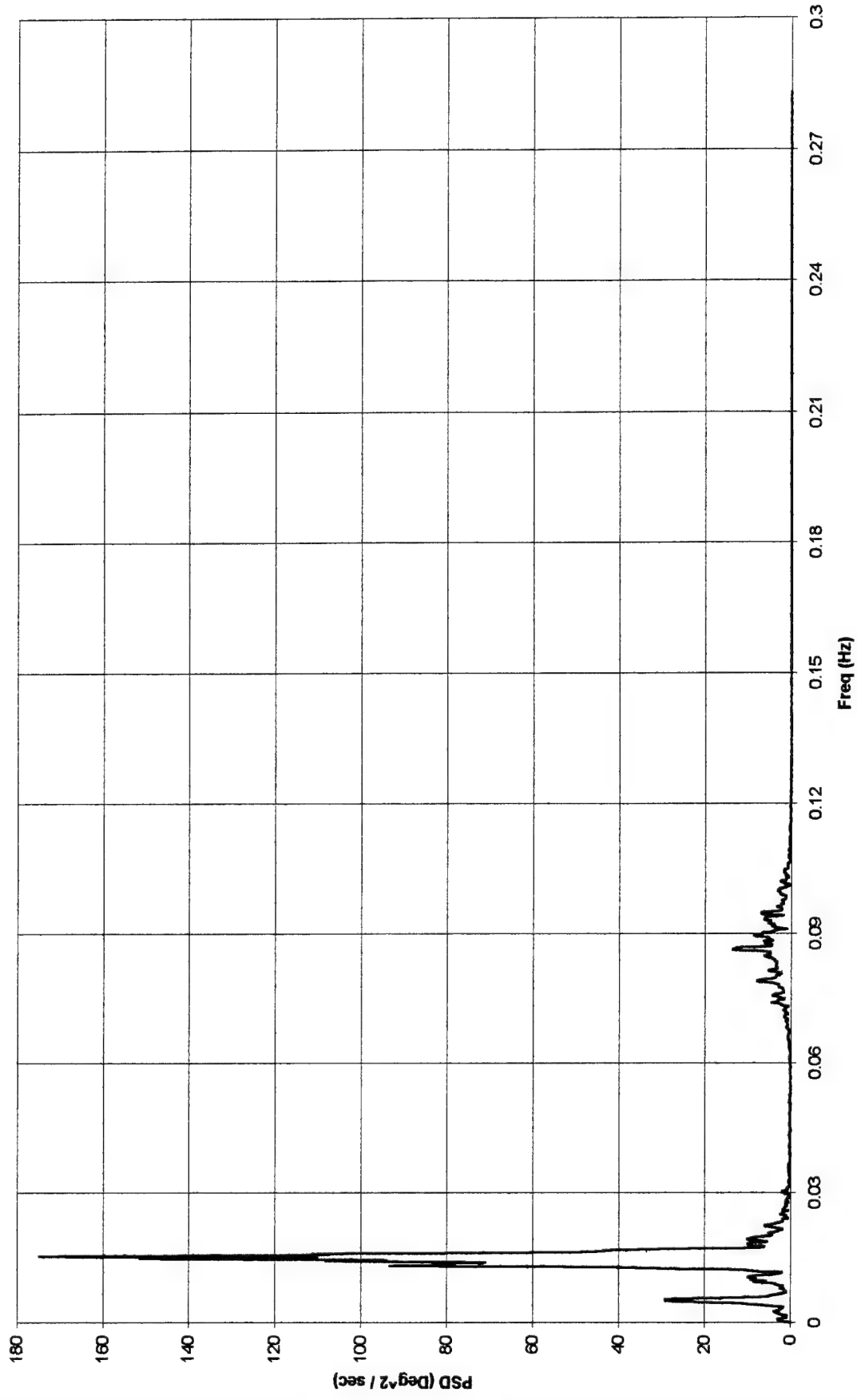
Test 361 - BT-1 PSD



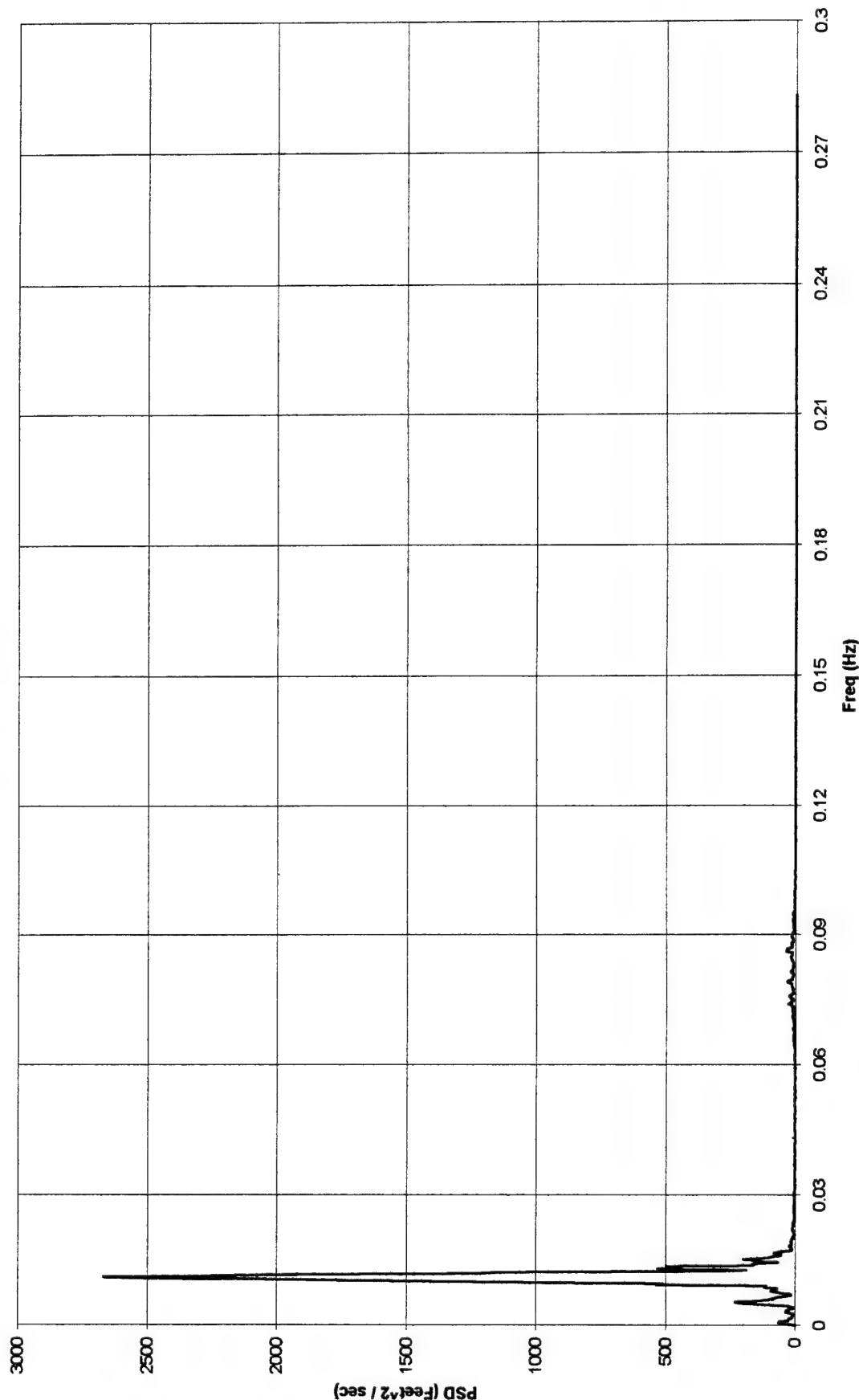
Test 361 - BT-2 PSD



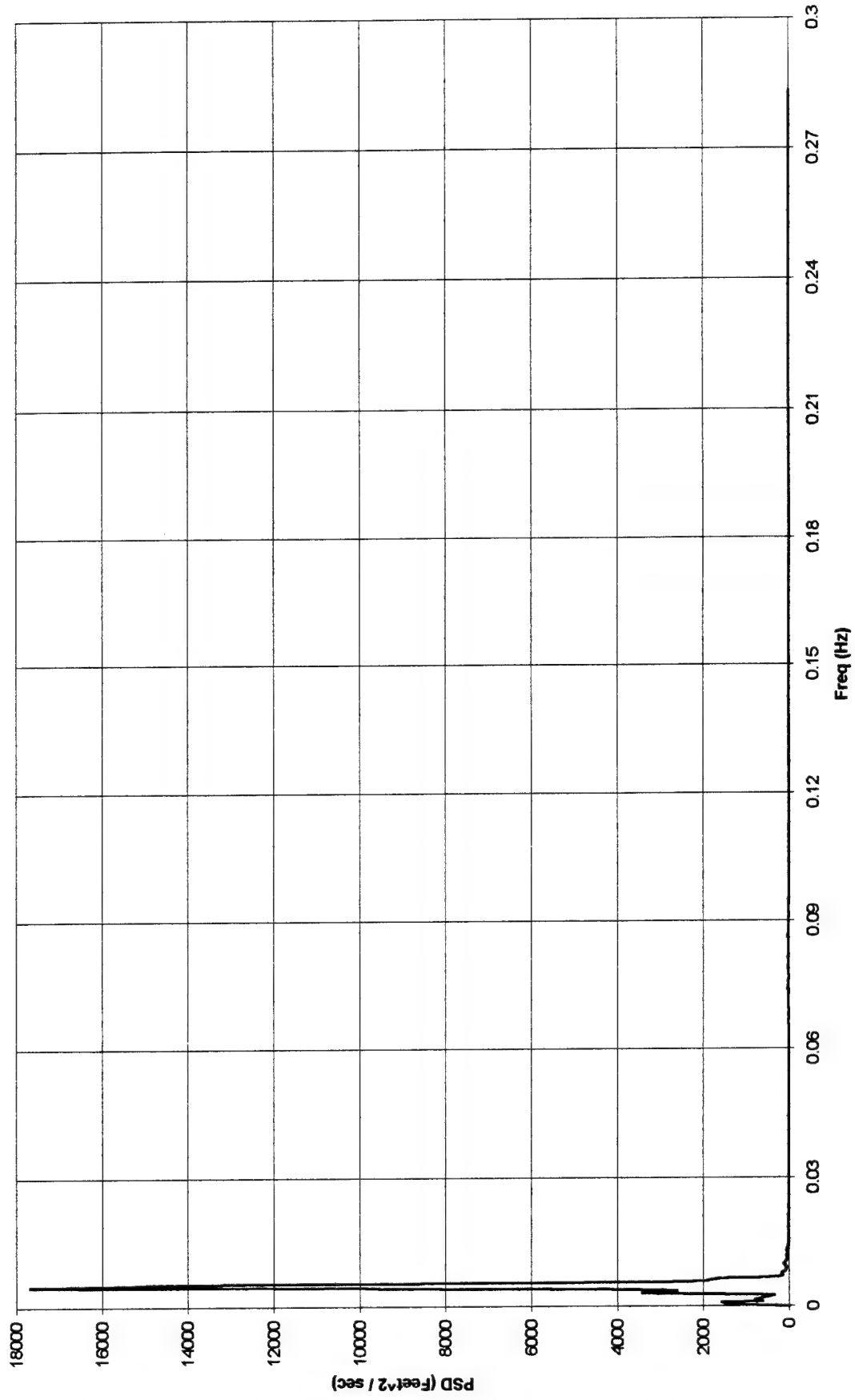
Test 362 - PITCH PSD



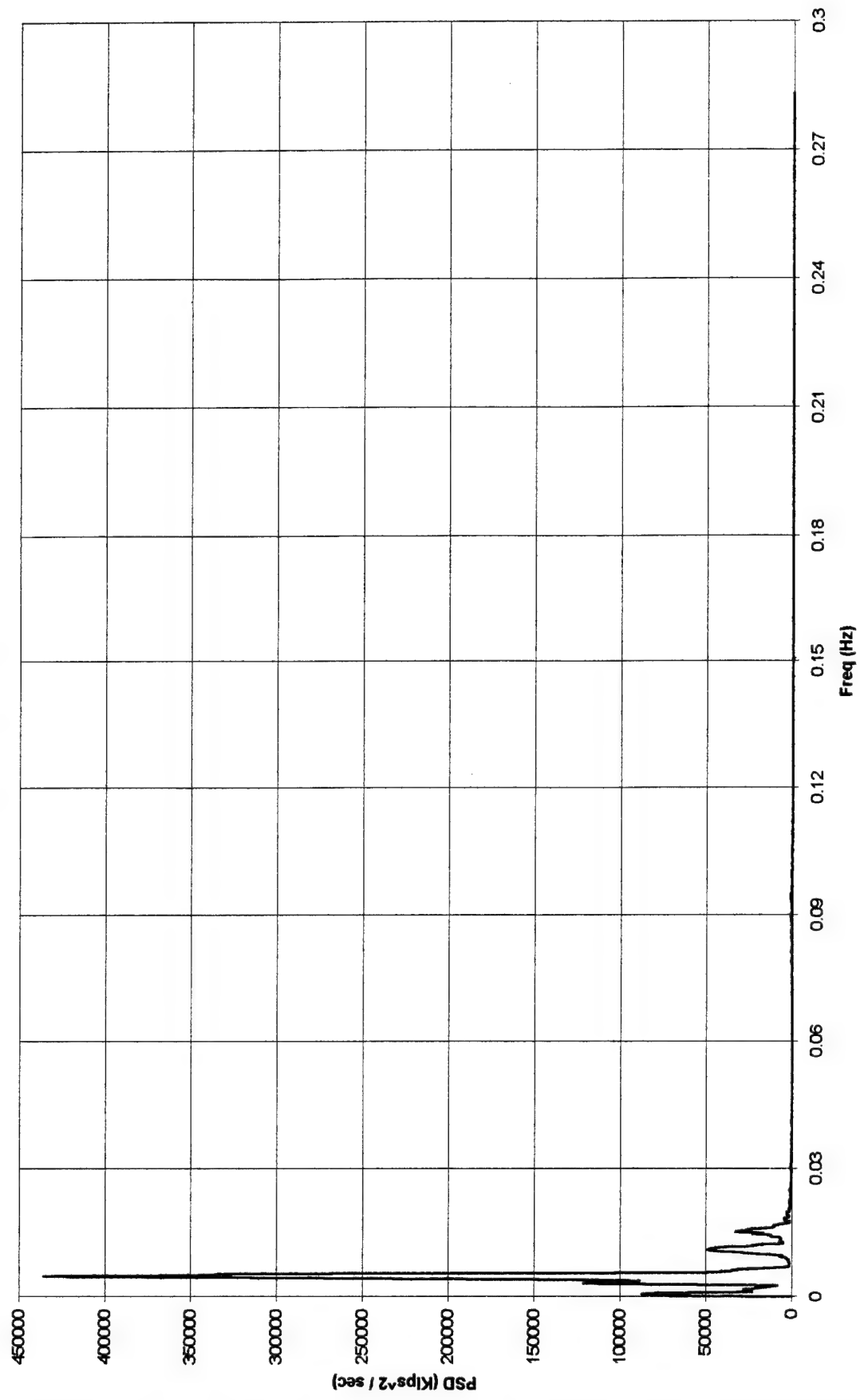
Test 362 - HEAVE PSD



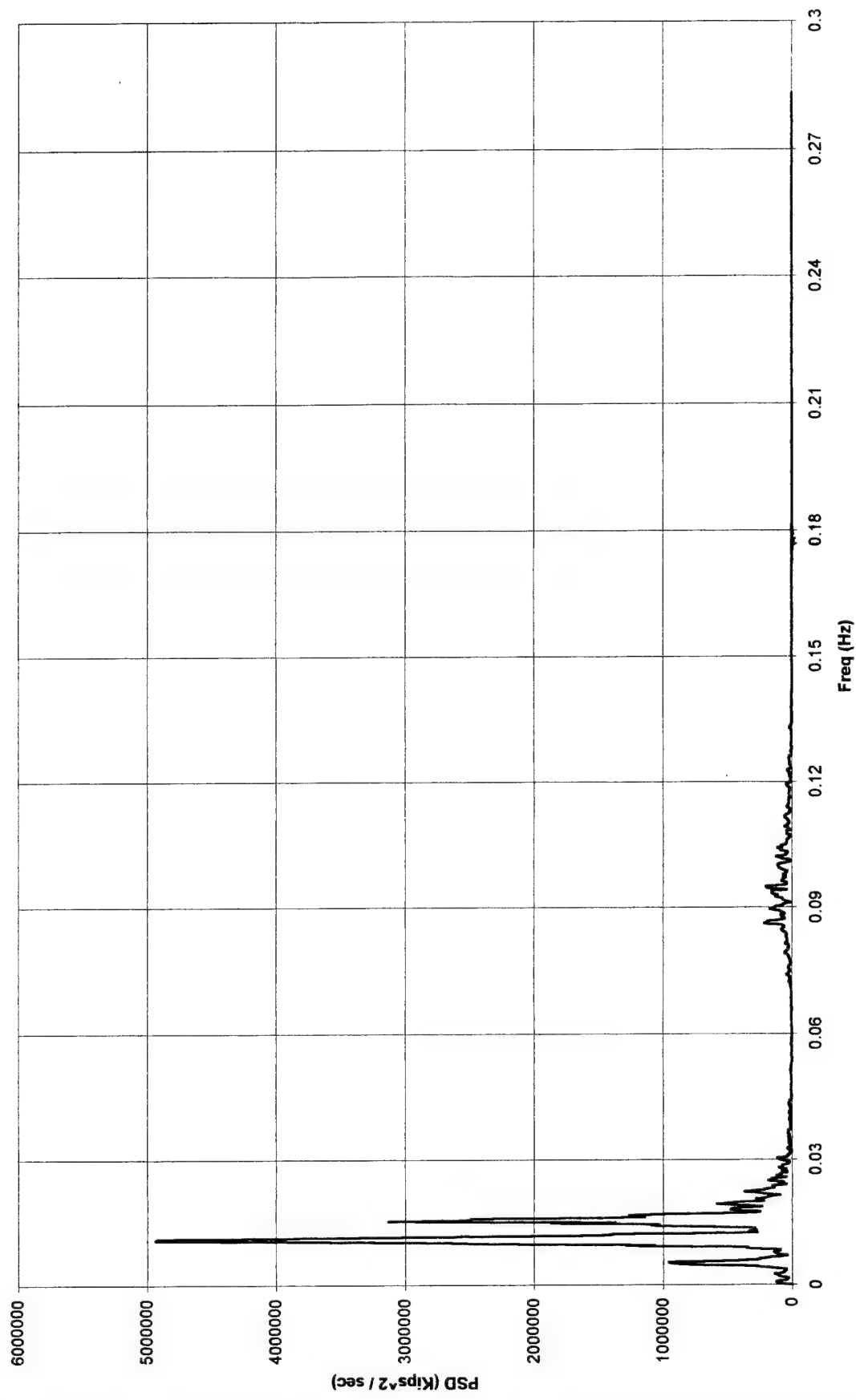
Test 362 - SURGE PSD



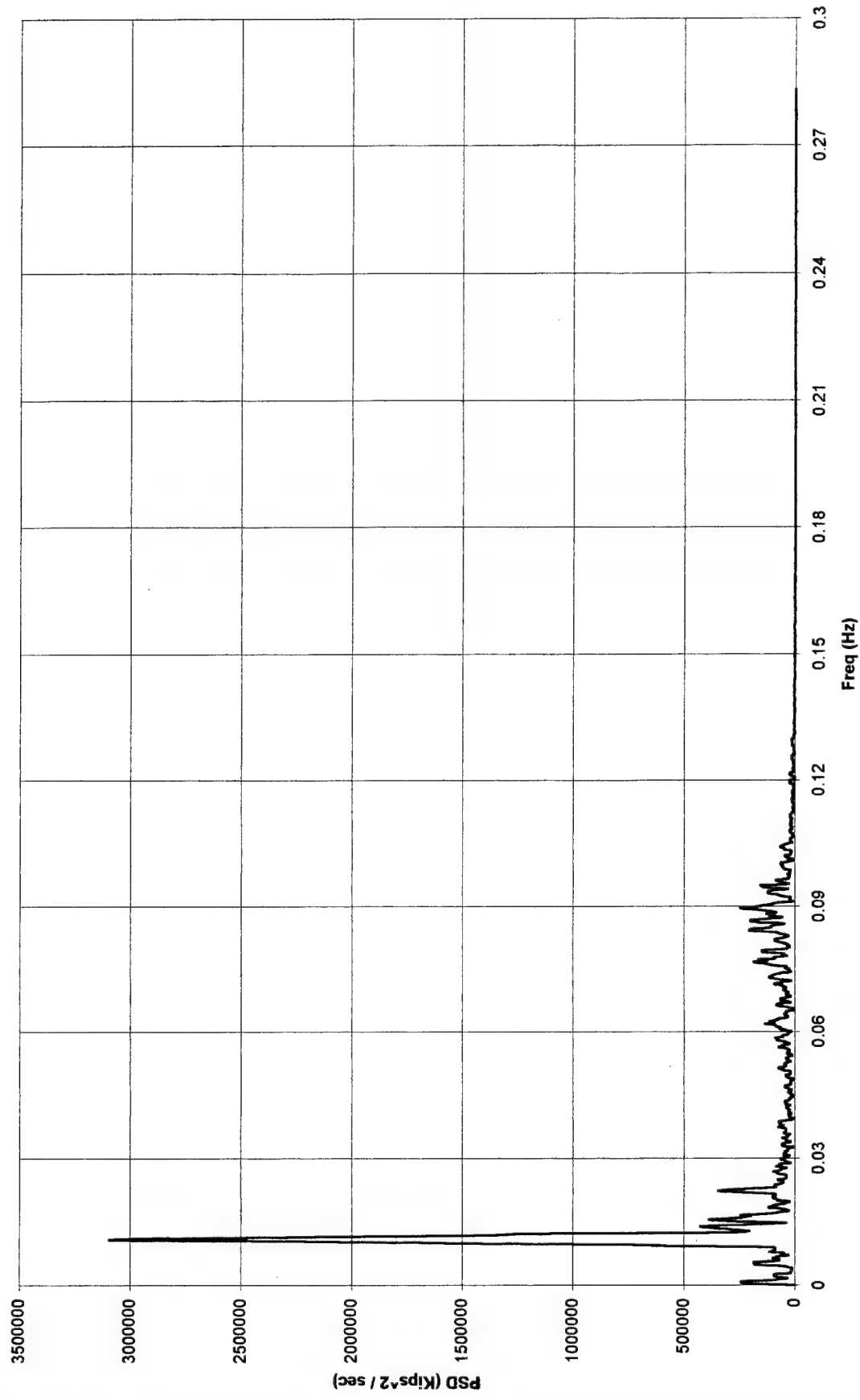
Test 362 - ML-1 PSD



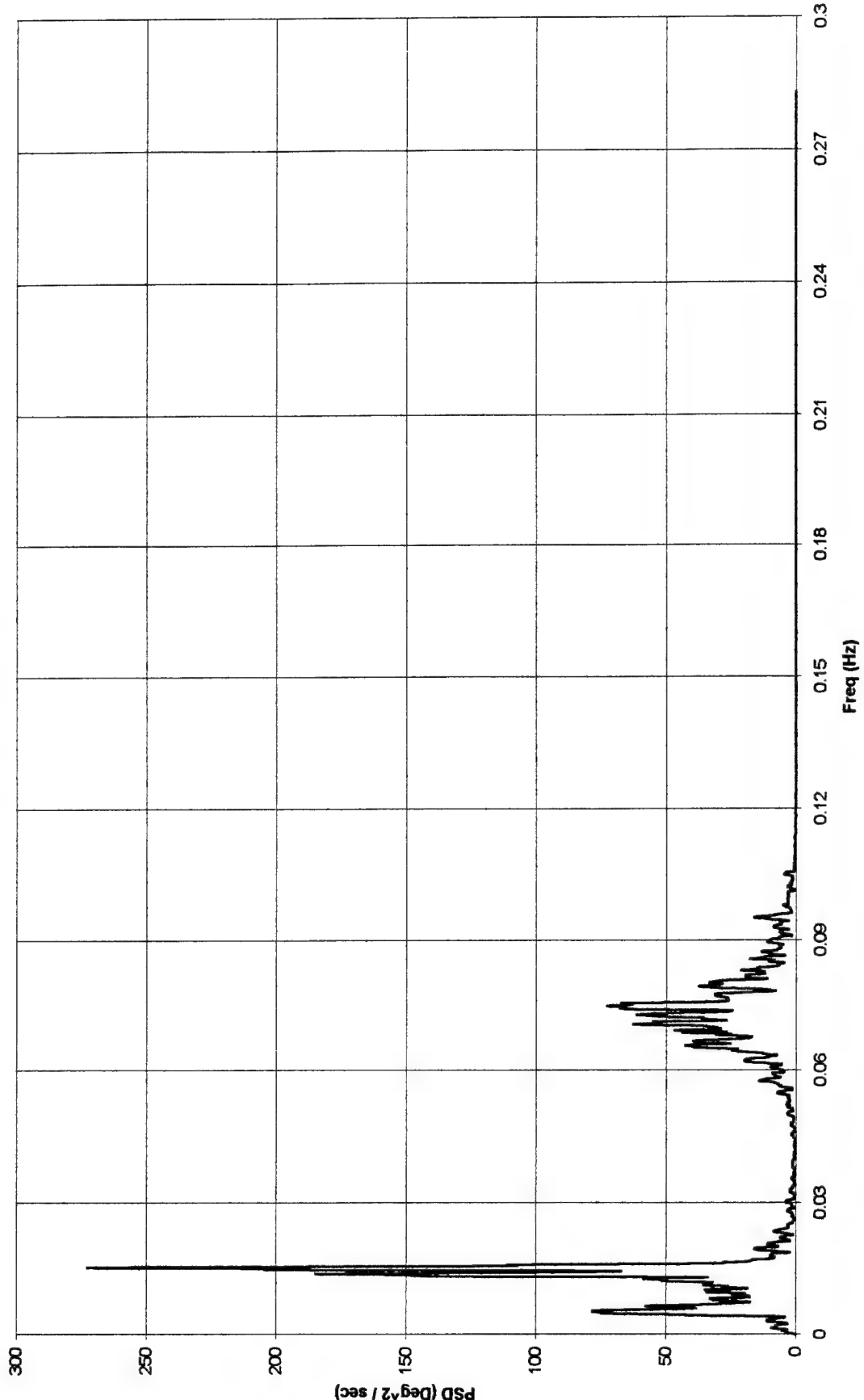
Test 362 - BT-1 PSD



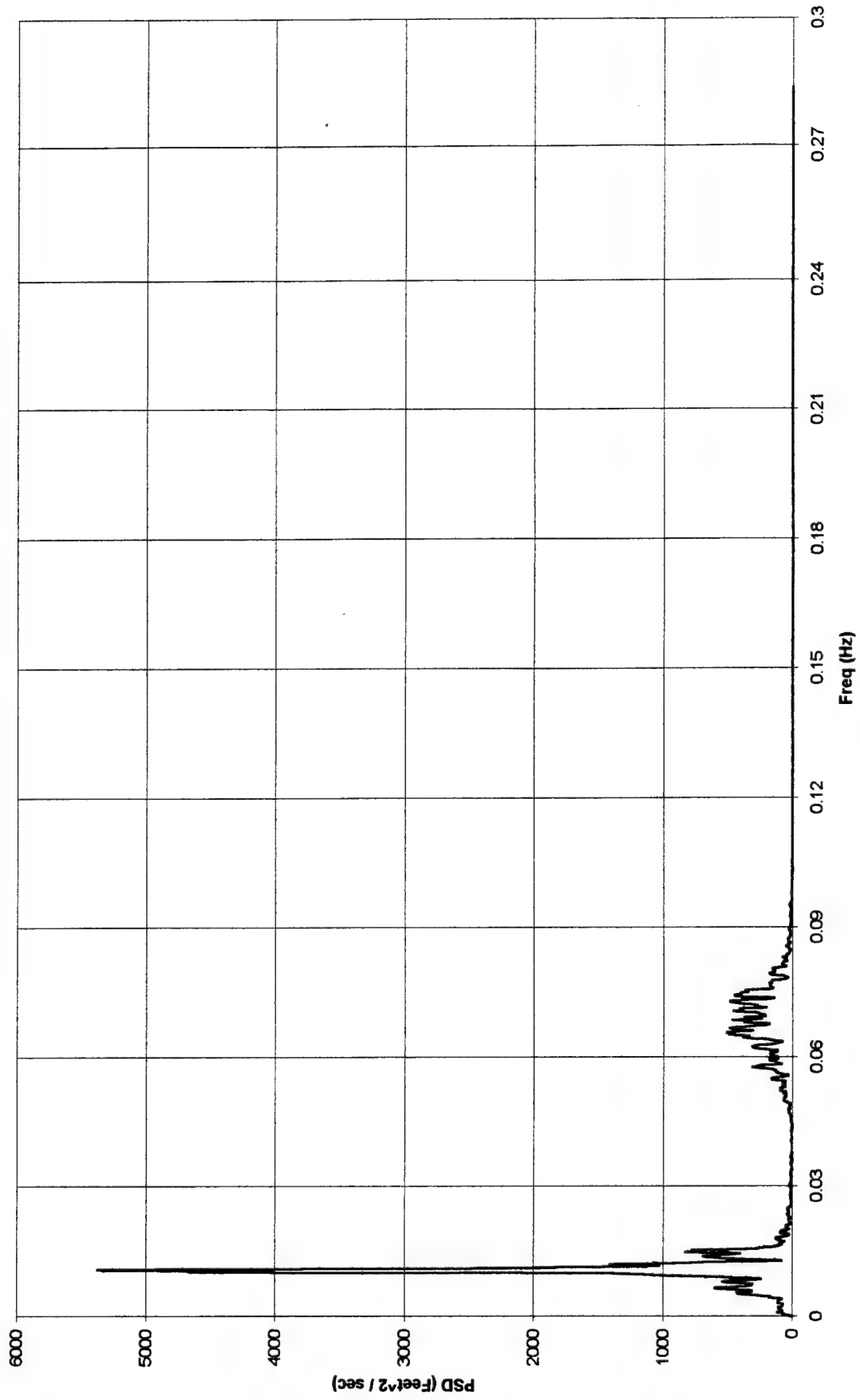
Test 362 - BT-2 PSD



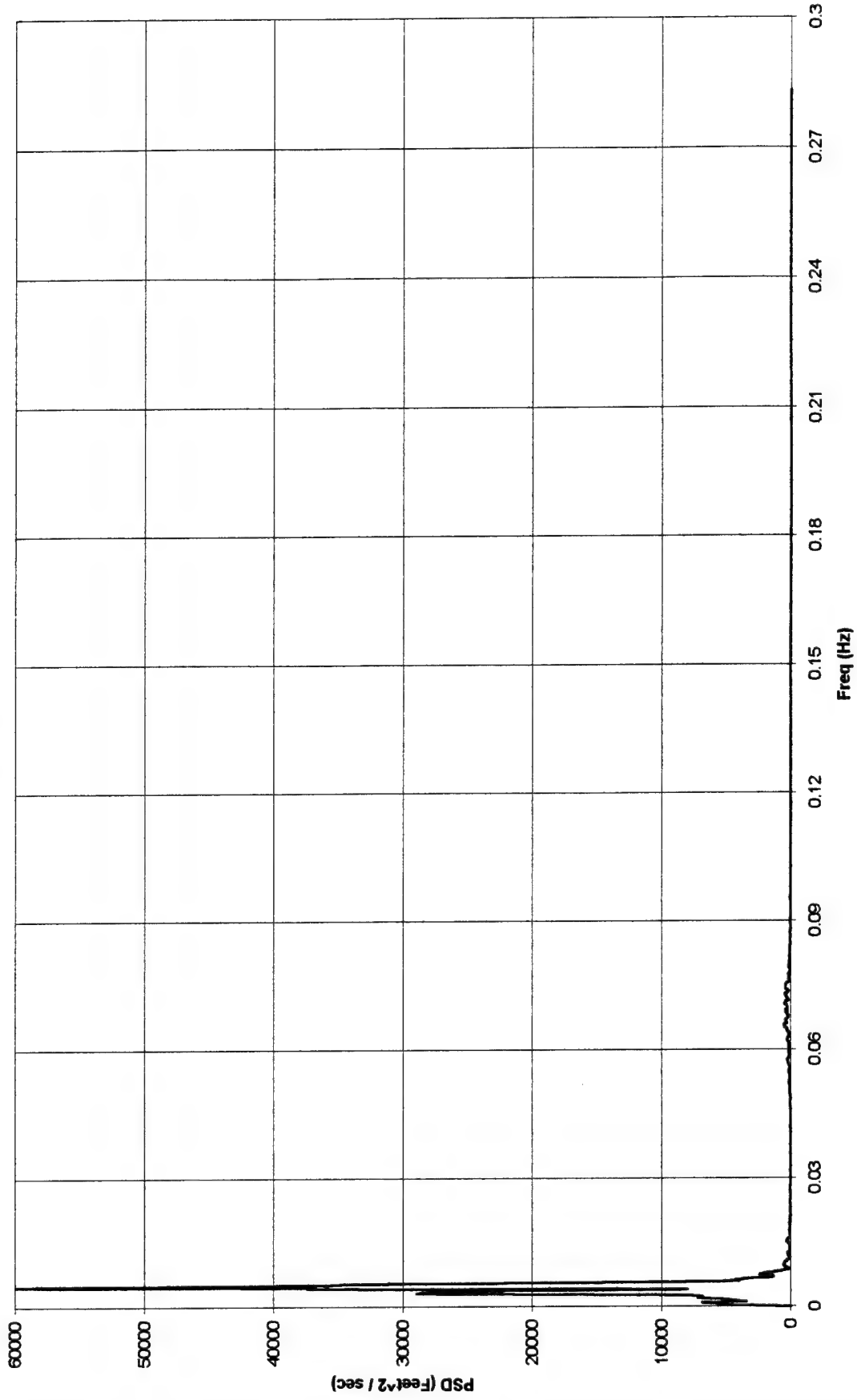
Test 363 - PITCH PSD



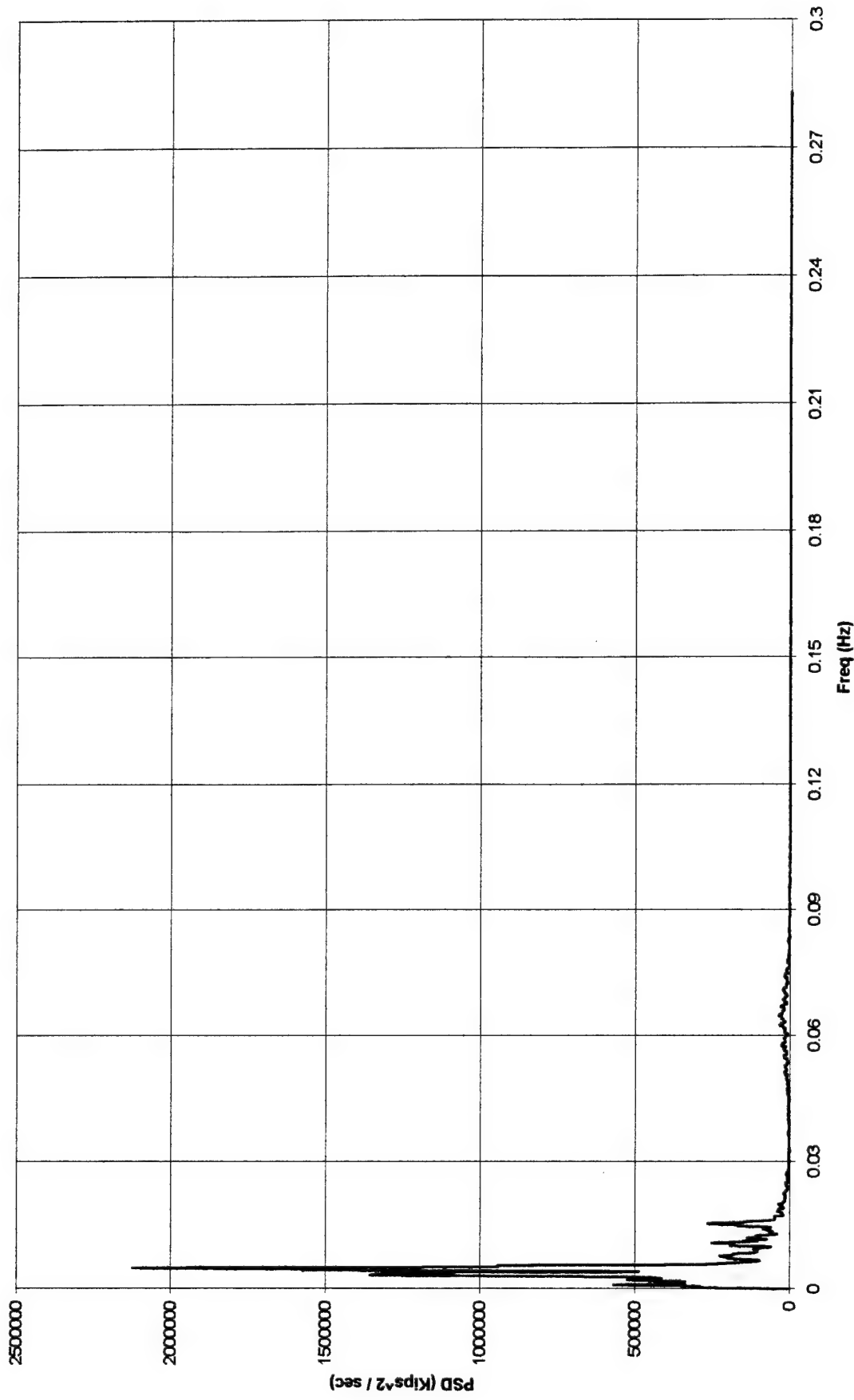
Test 363 - HEAVE PSD



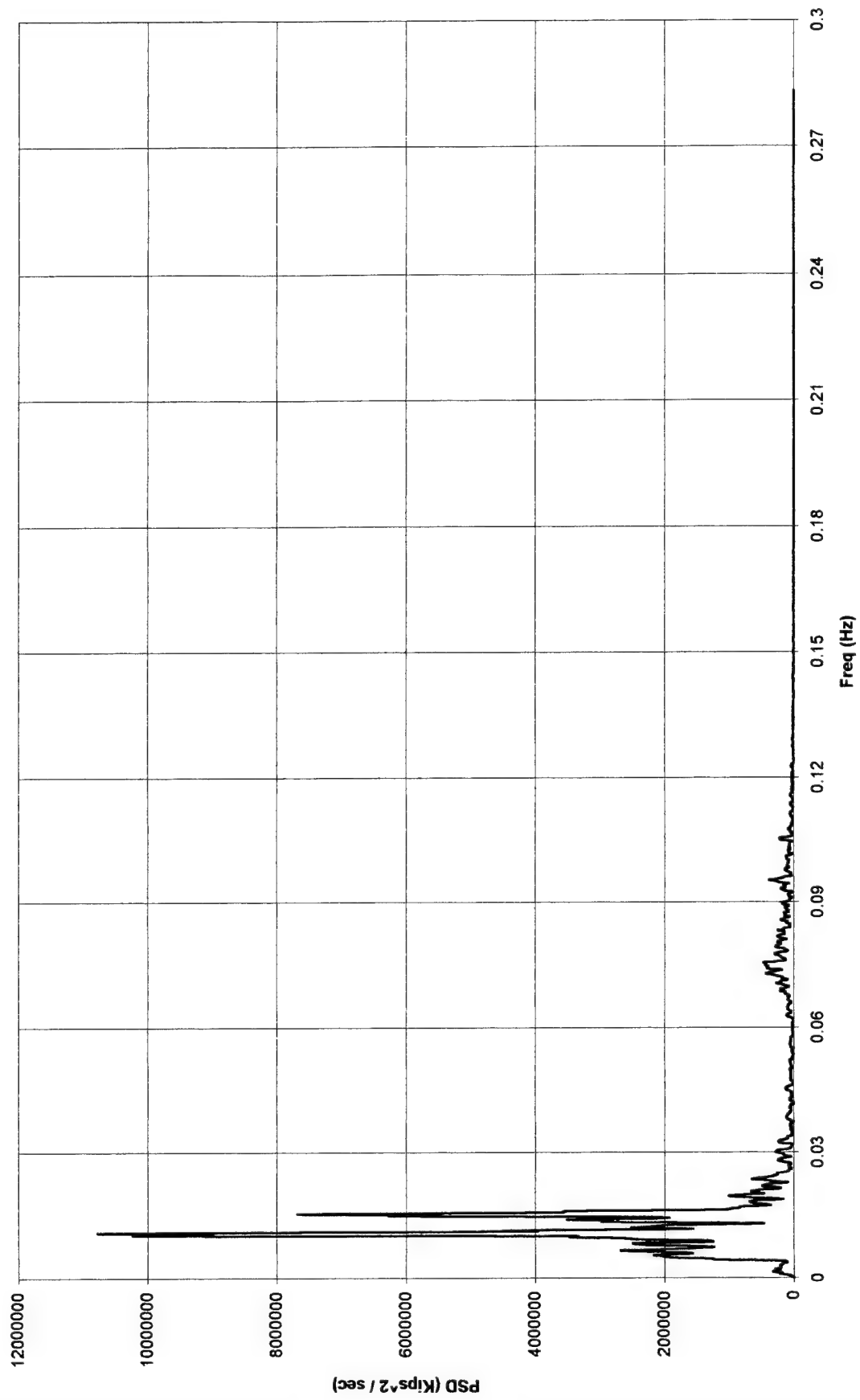
Test 363 - SURGE PSD



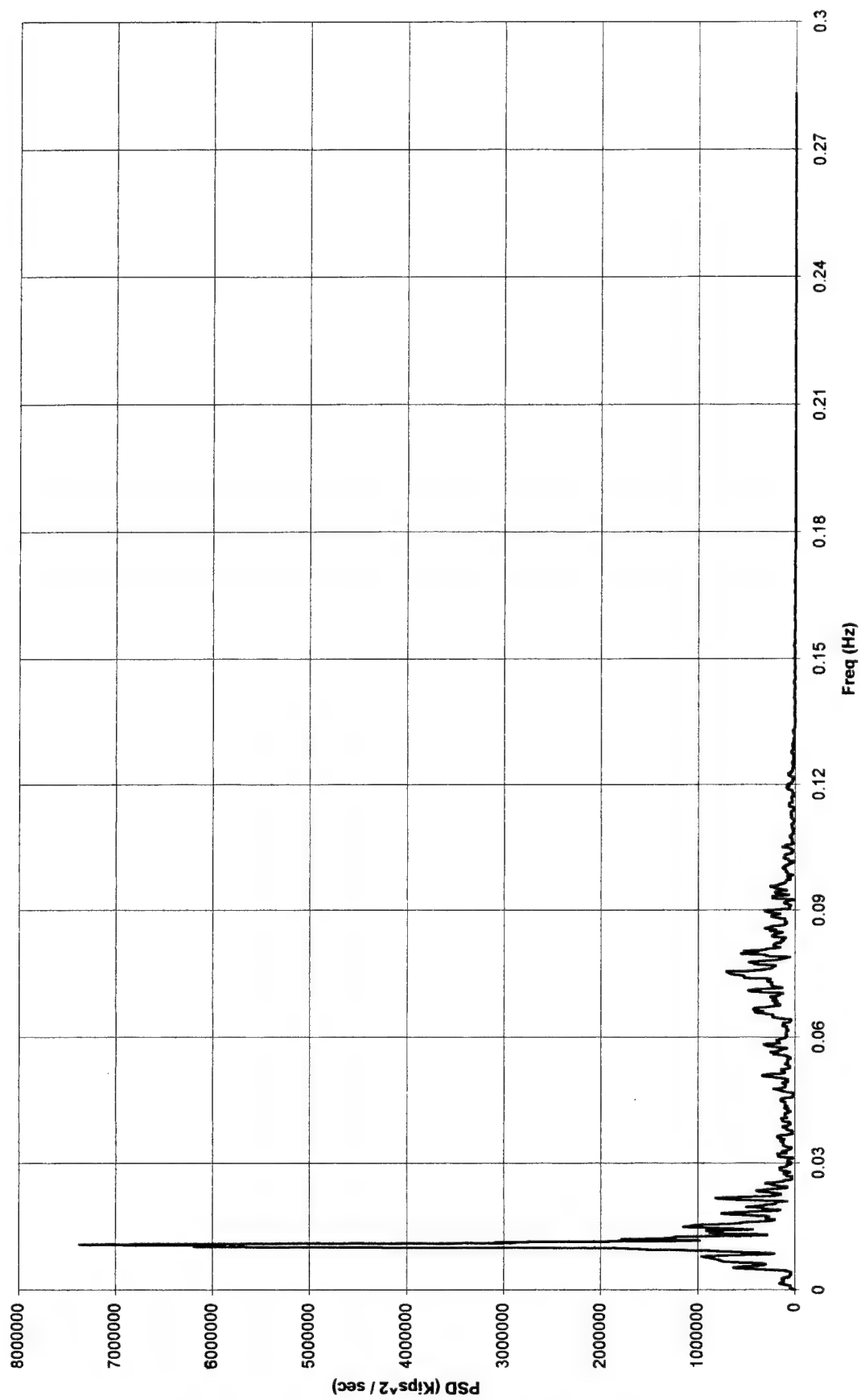
Test 363 - ML-1 PSD



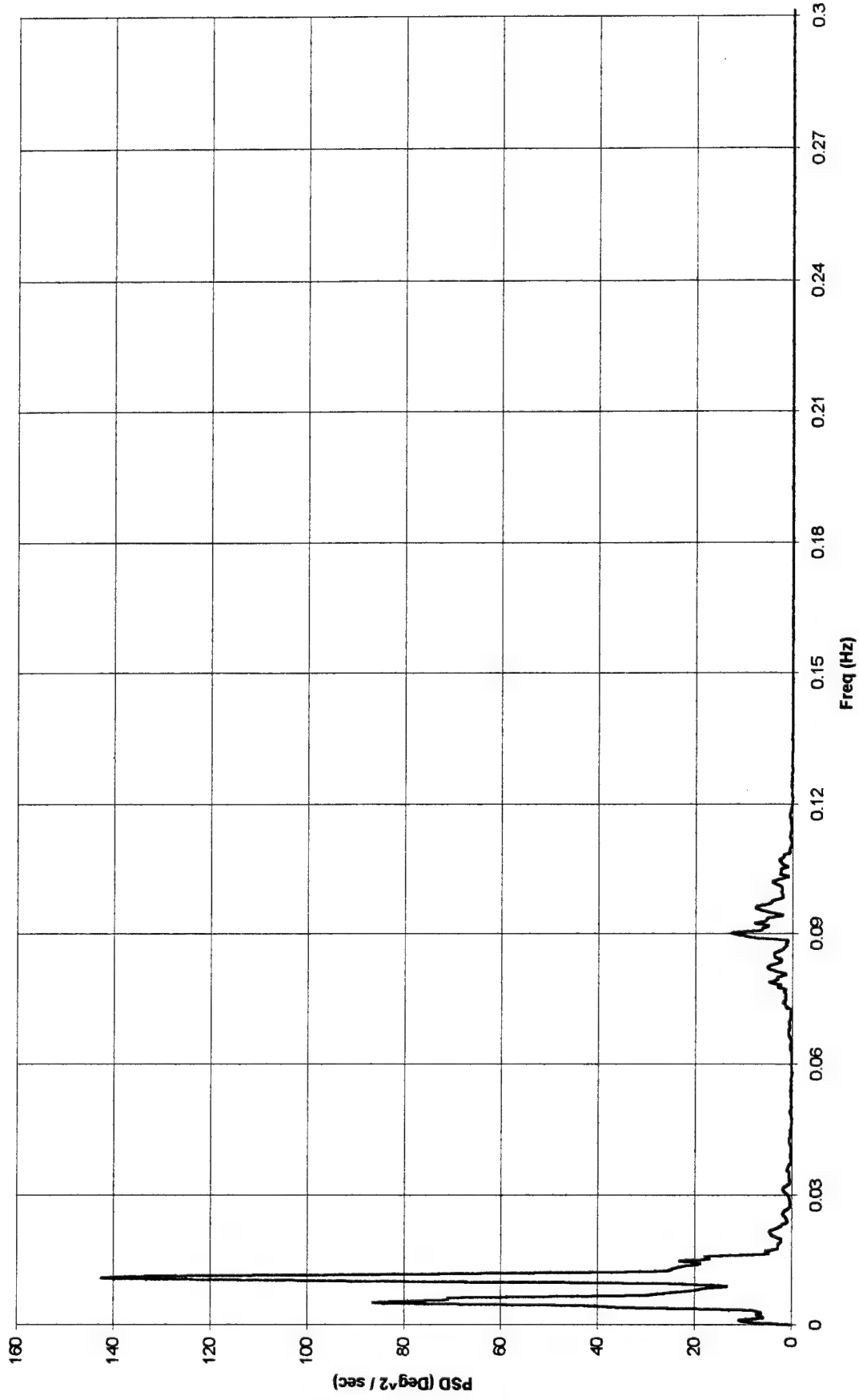
Test 363 - BT-1 PSD



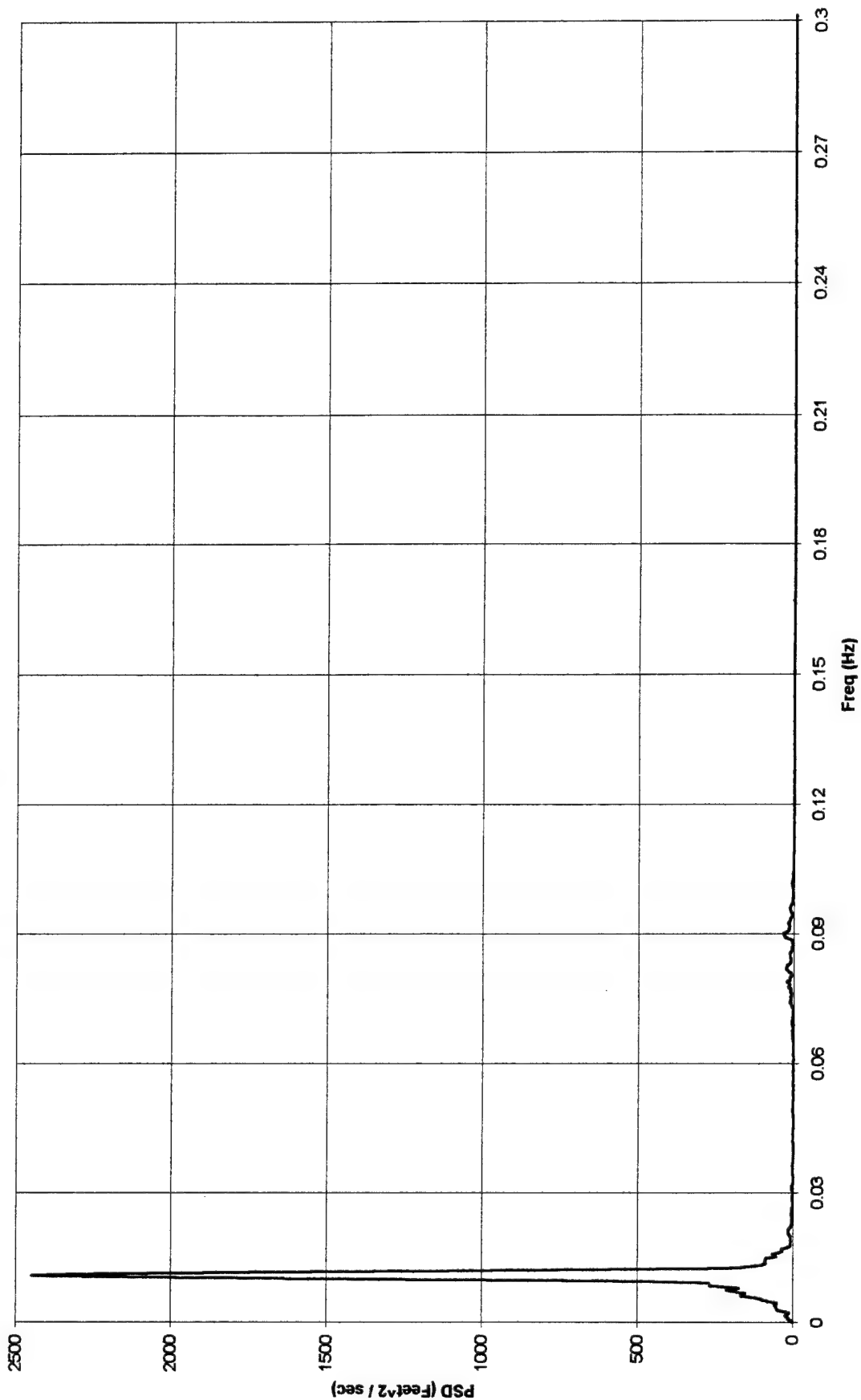
Test 363 - BT-2 PSD



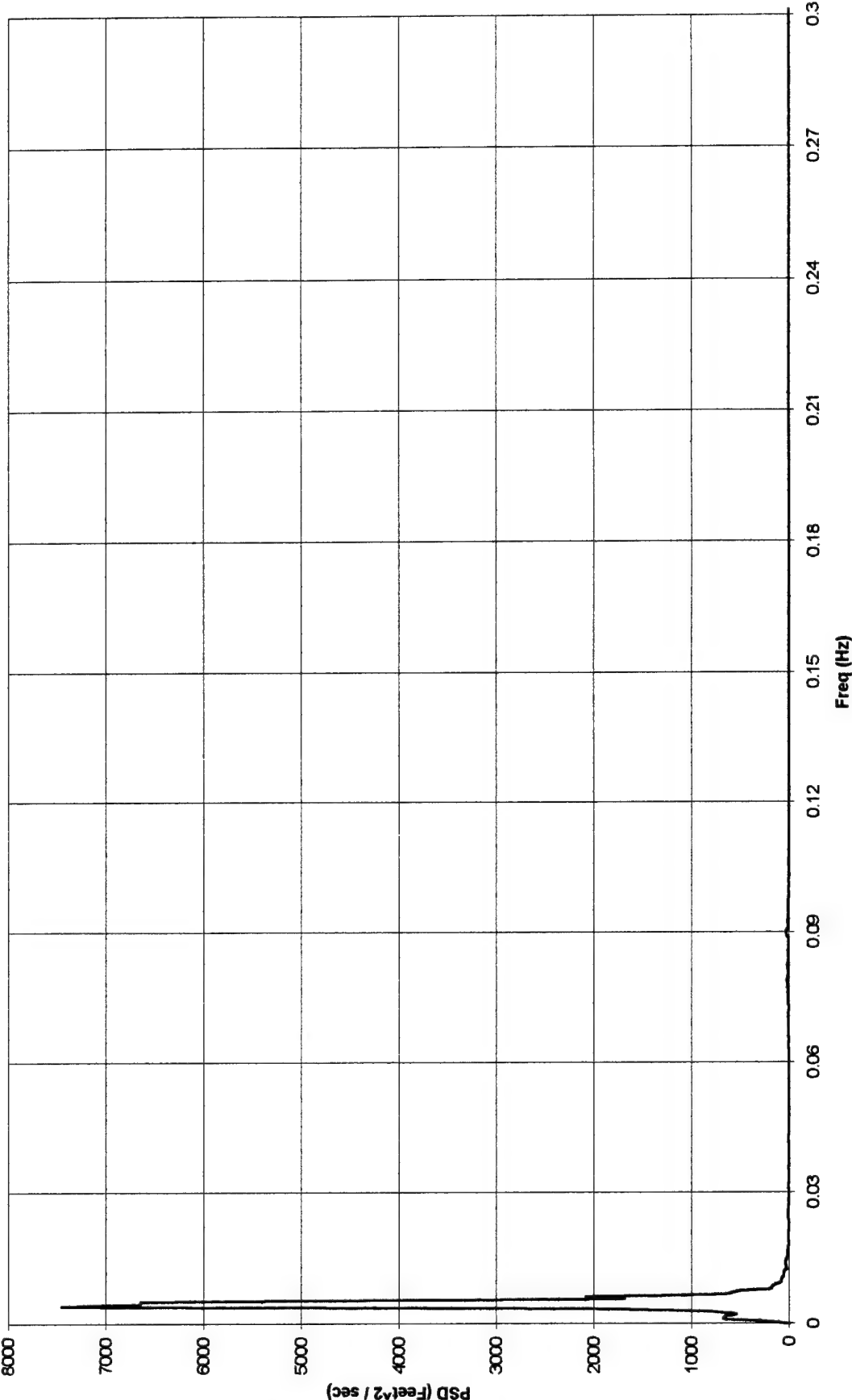
Test 422 - PITCH PSD



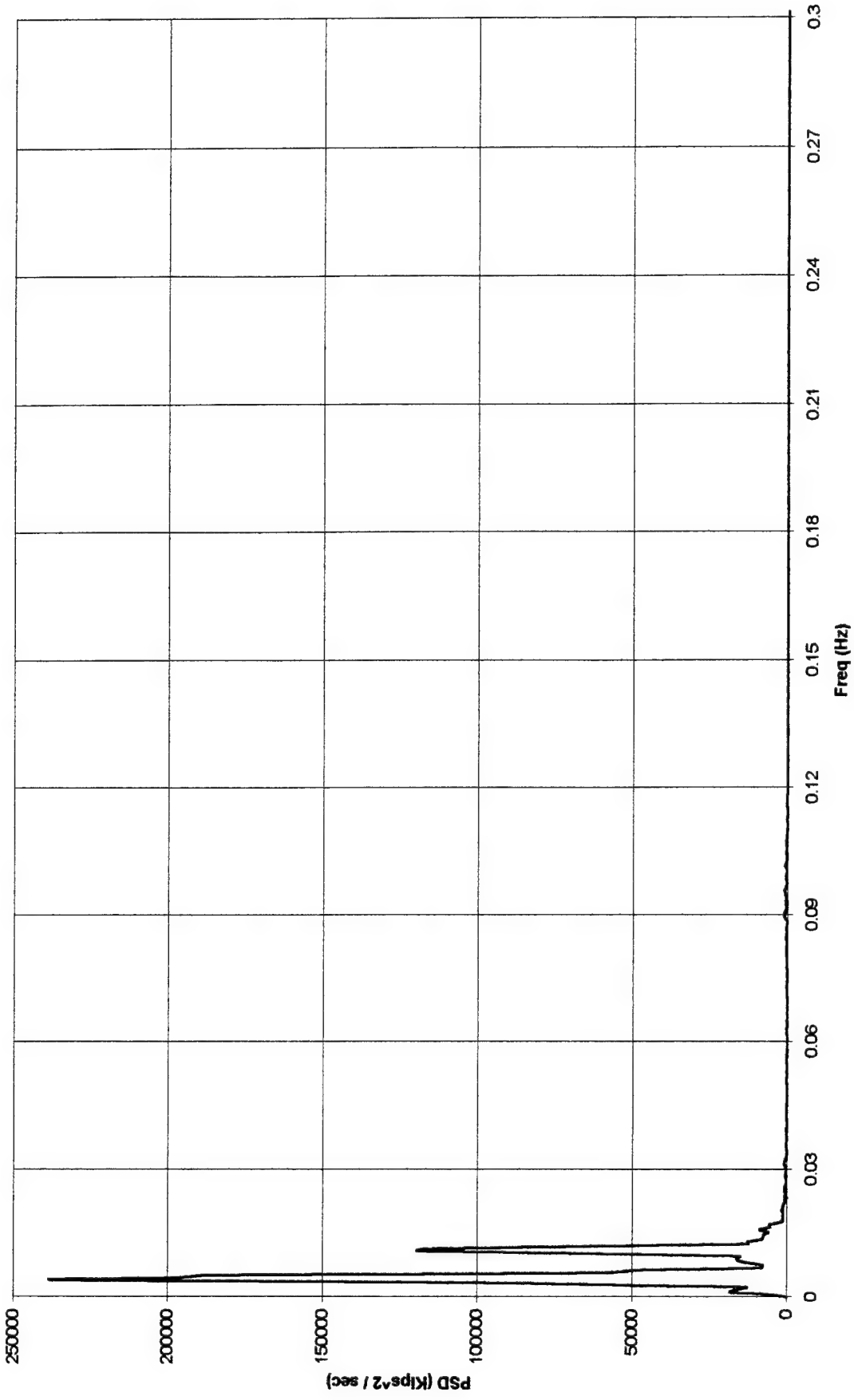
Test 422 - HEAVE PSD



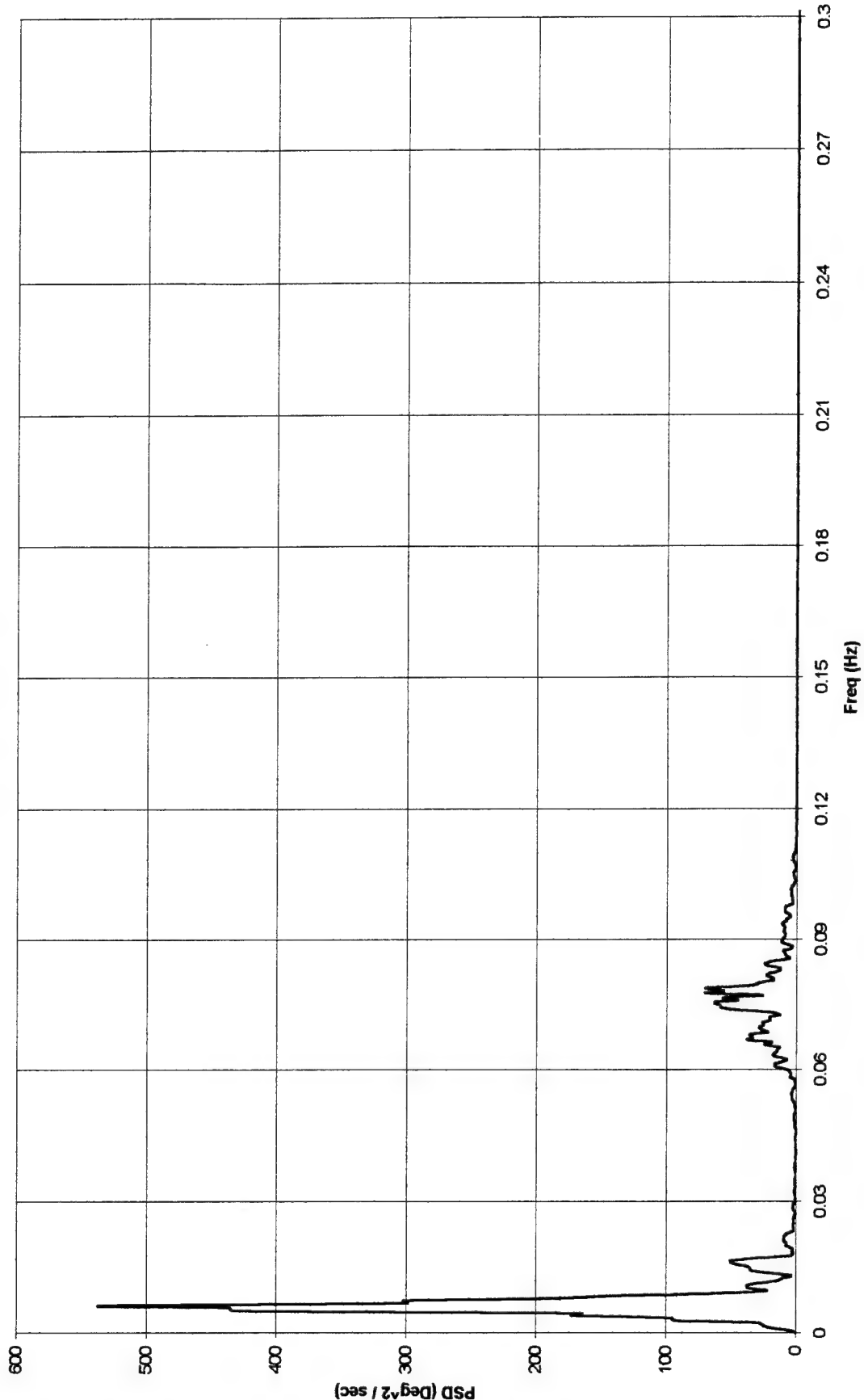
Test 422 - SURGE PSD



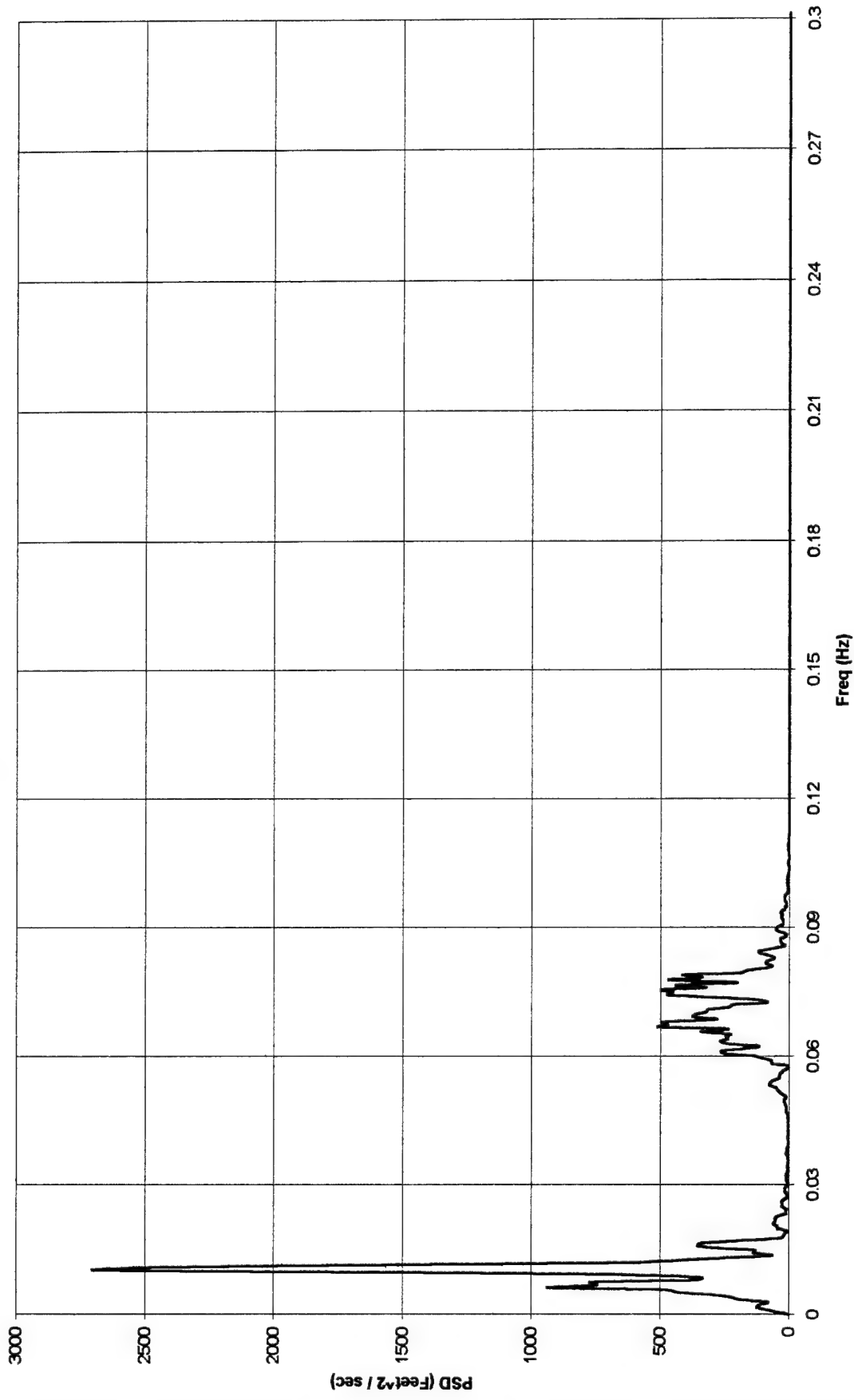
Test 422 - ML-1 PSD



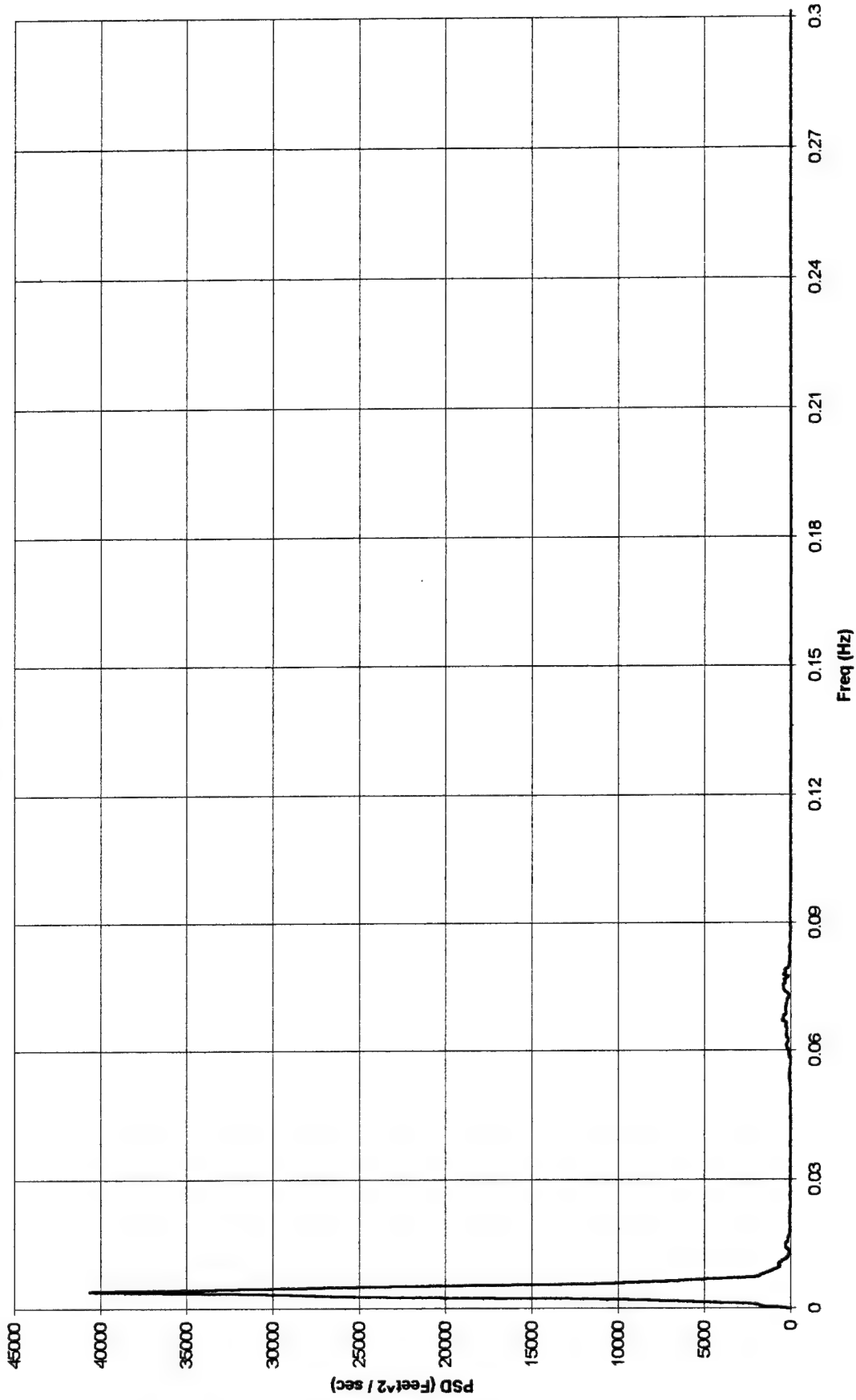
Test 423 - PITCH PSD



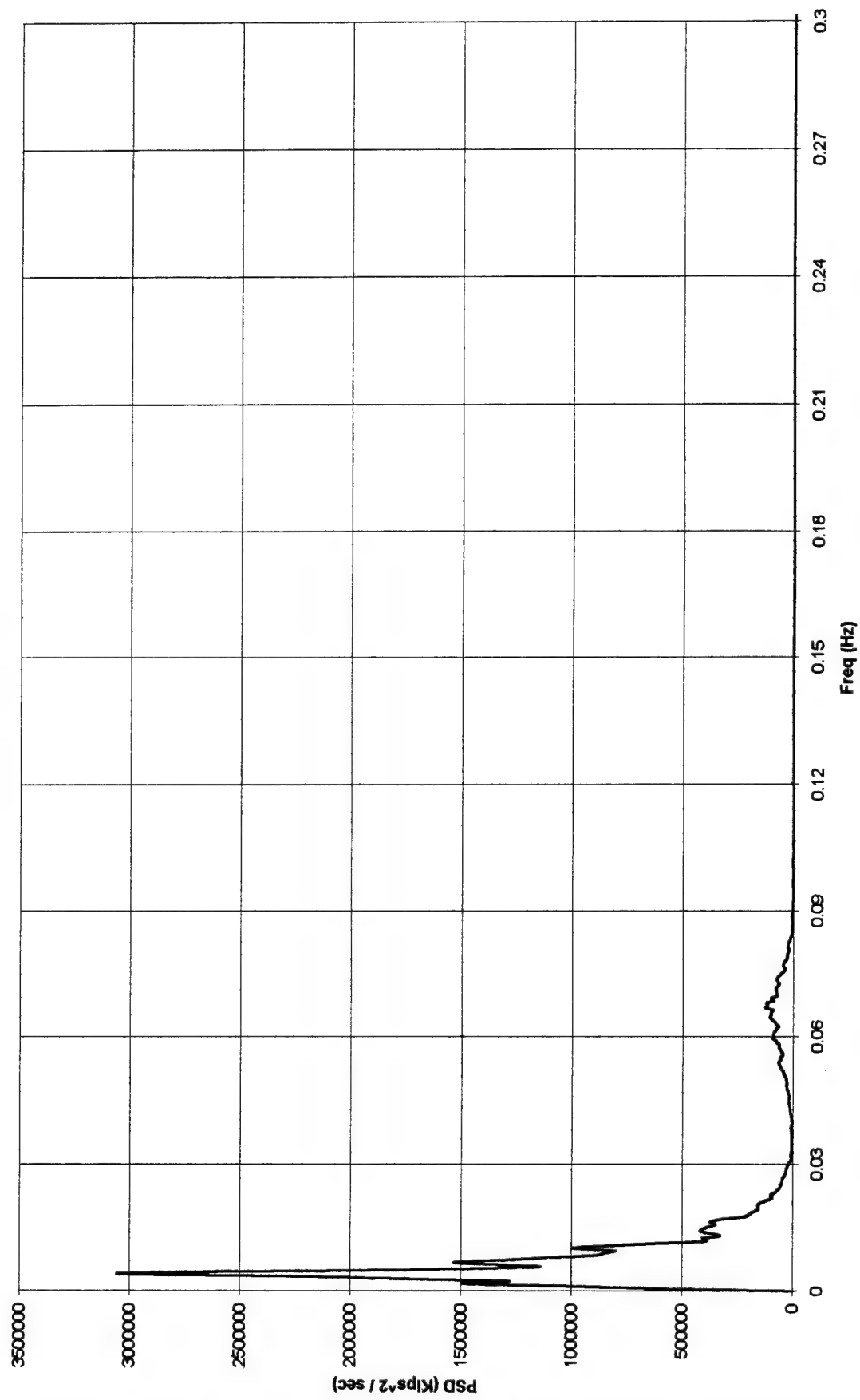
Test 423 - HEAVE PSD



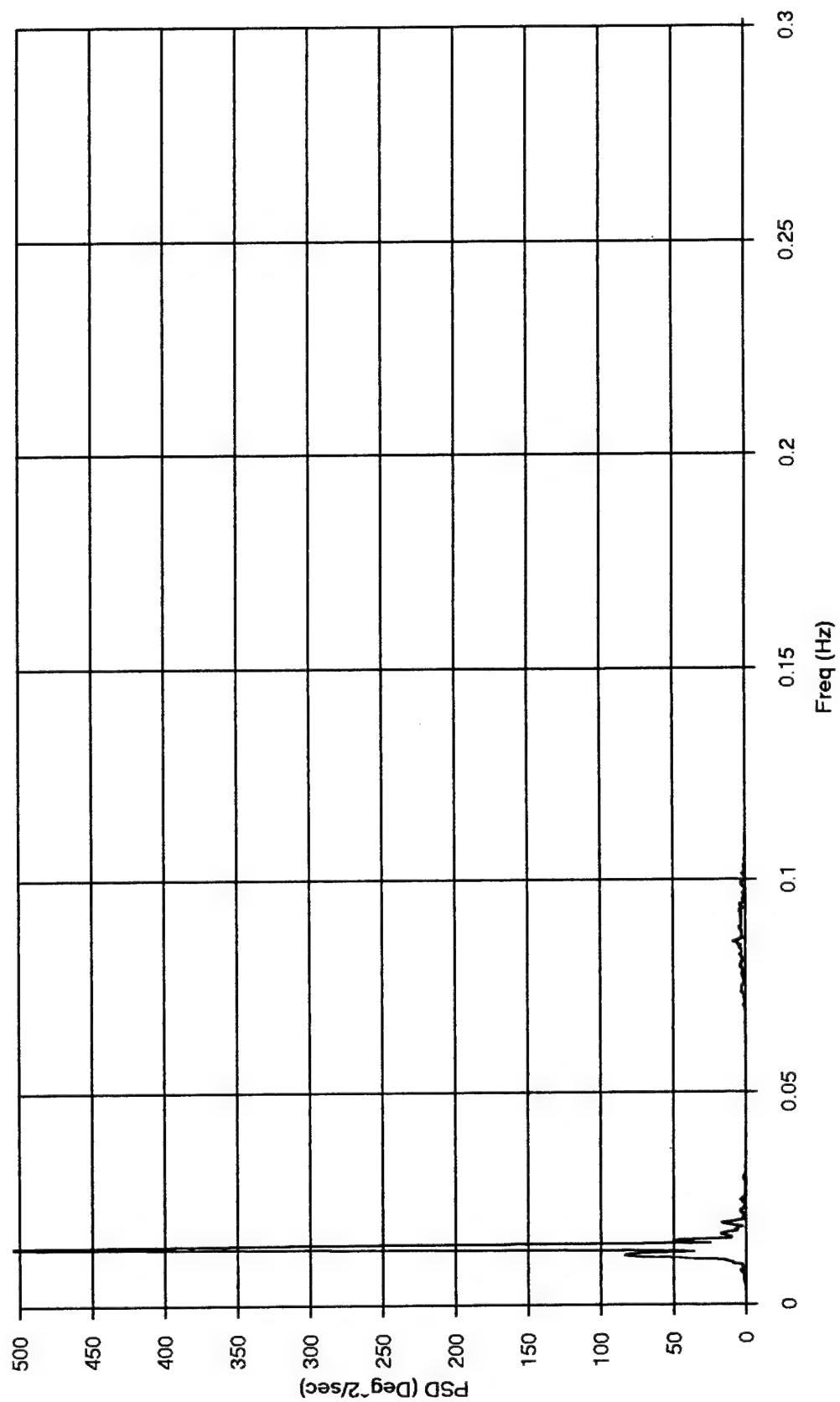
Test 423 - SURGE PSD



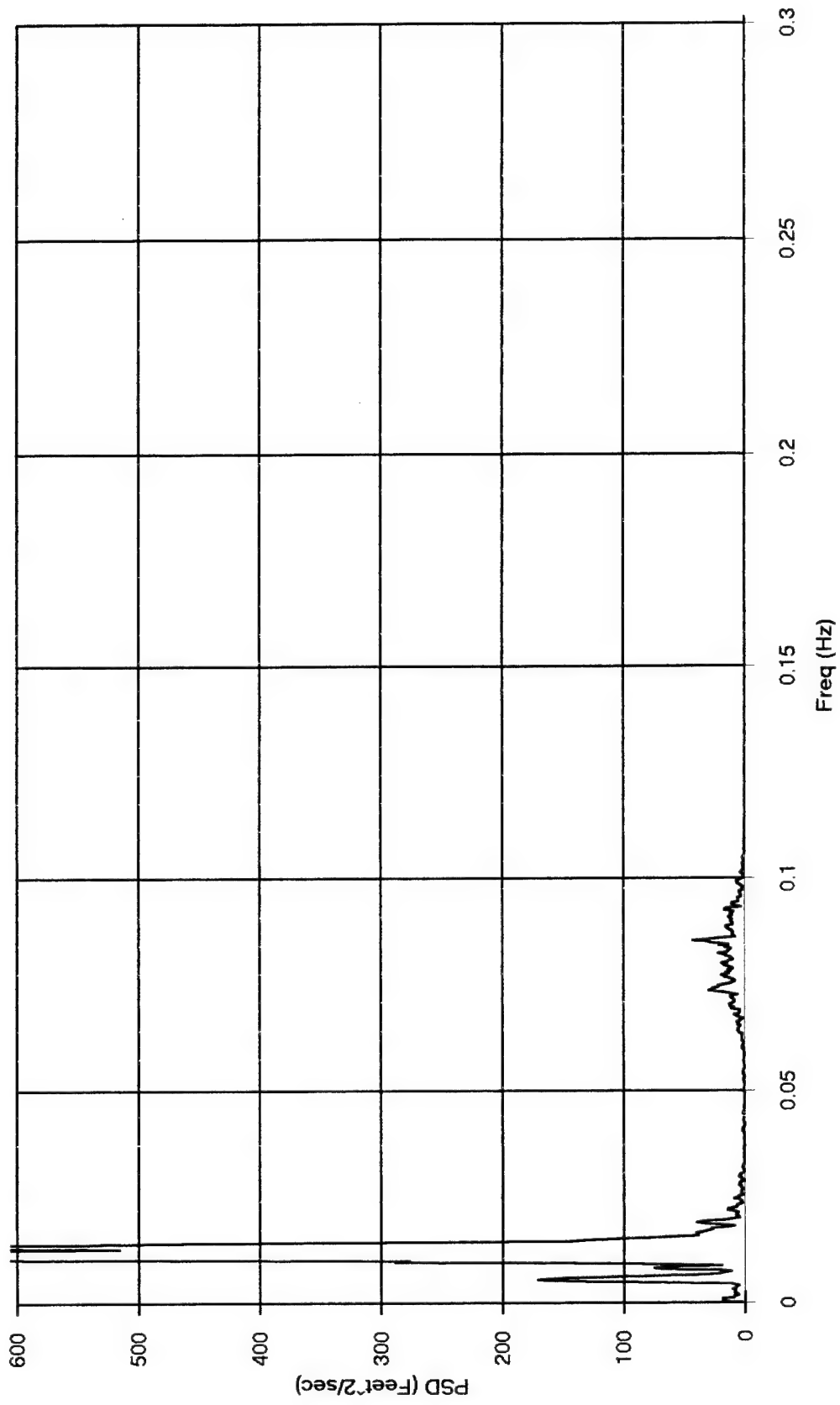
Test 423 - ML-1 PSD



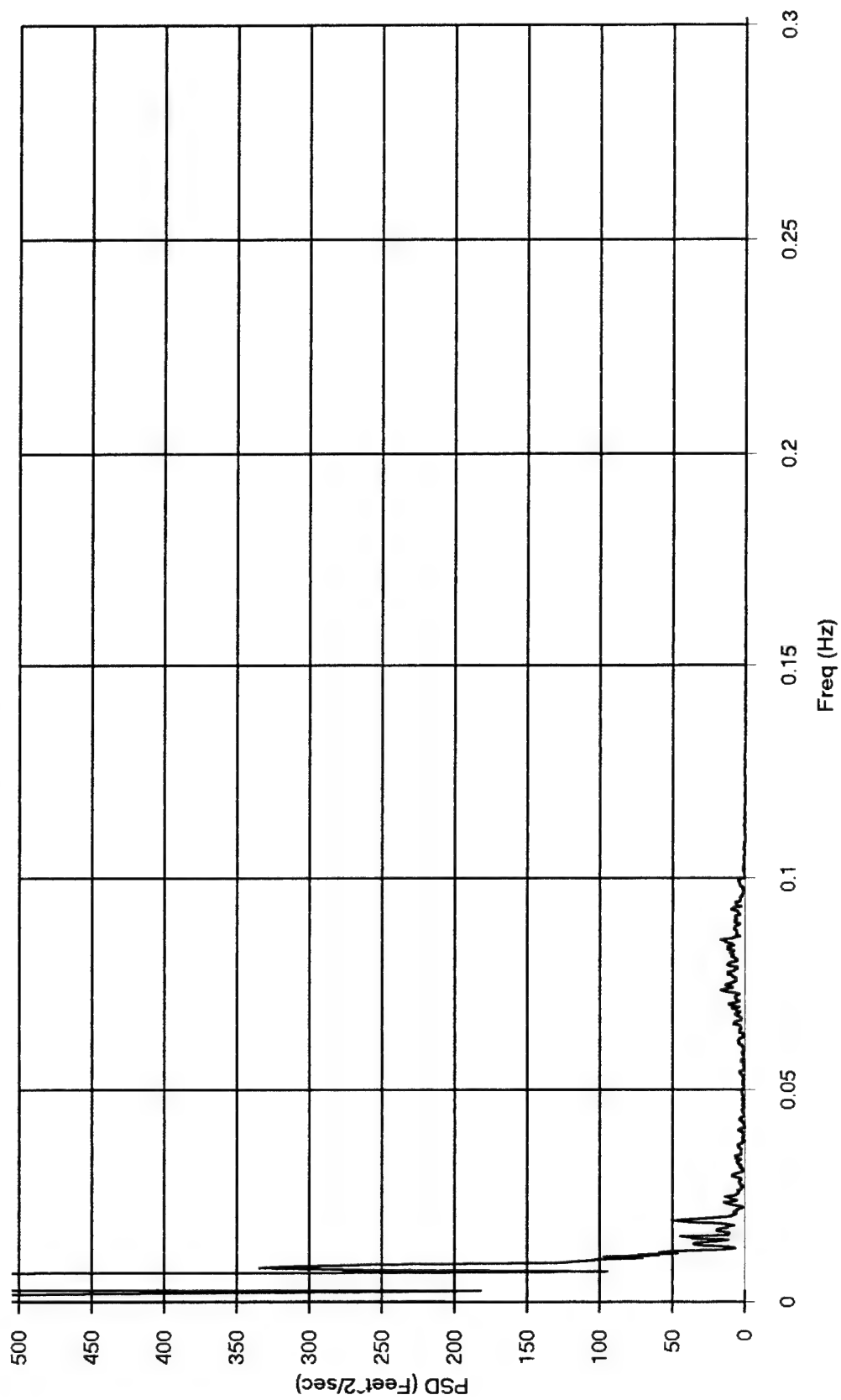
Test A556B - PITCH PSD



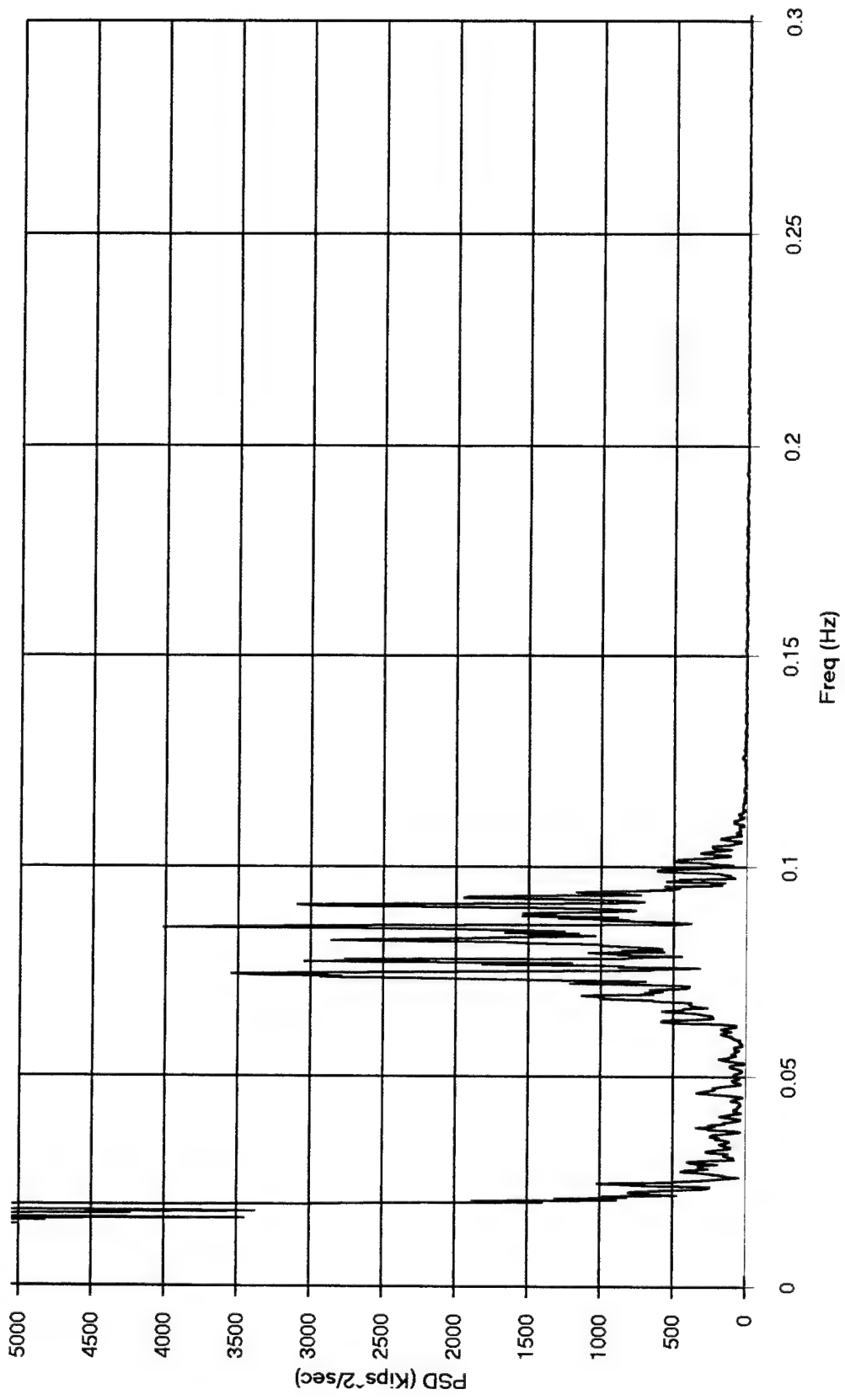
Test A556B - HEAVE PSD



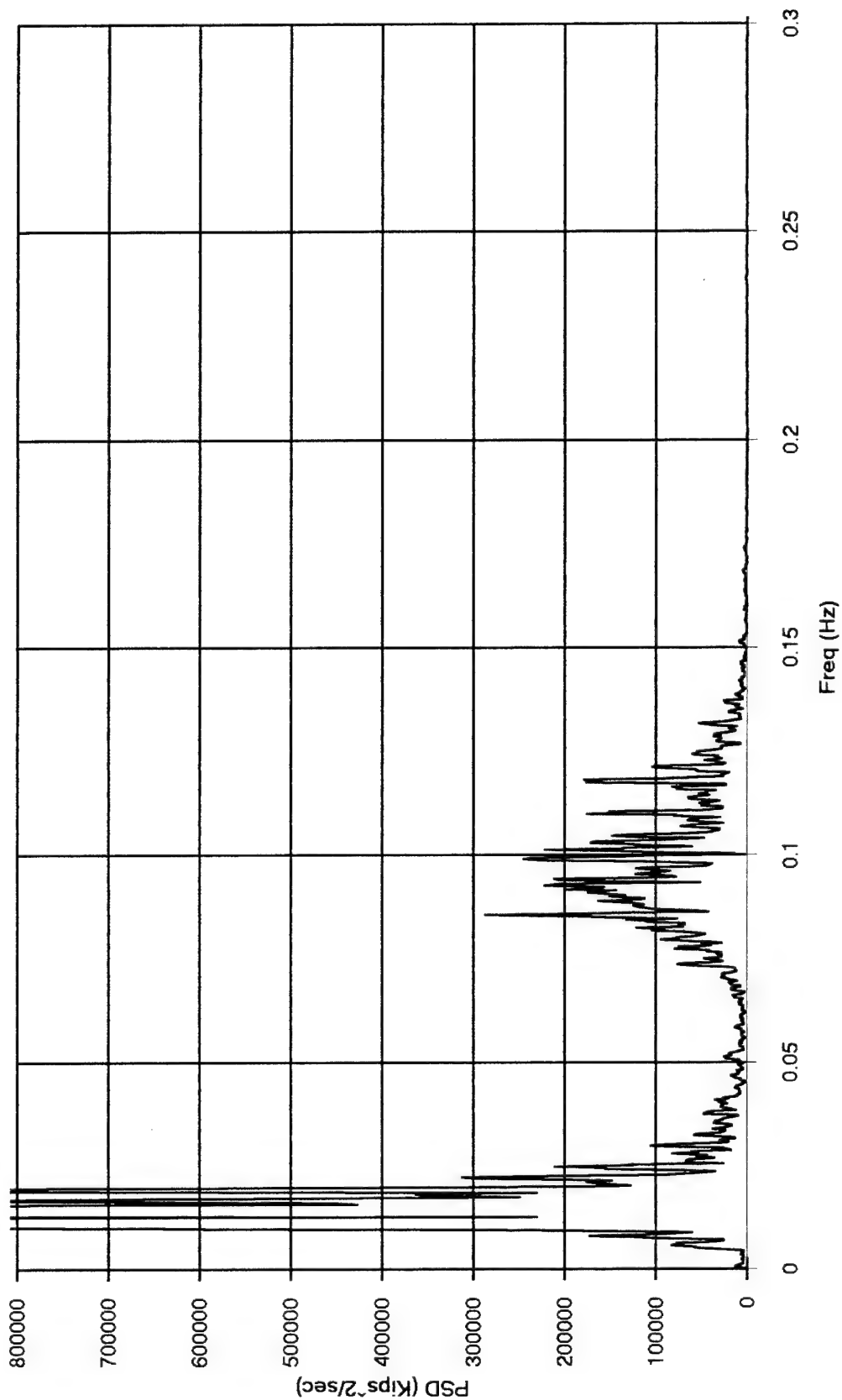
Test A556B - SURGE PSD



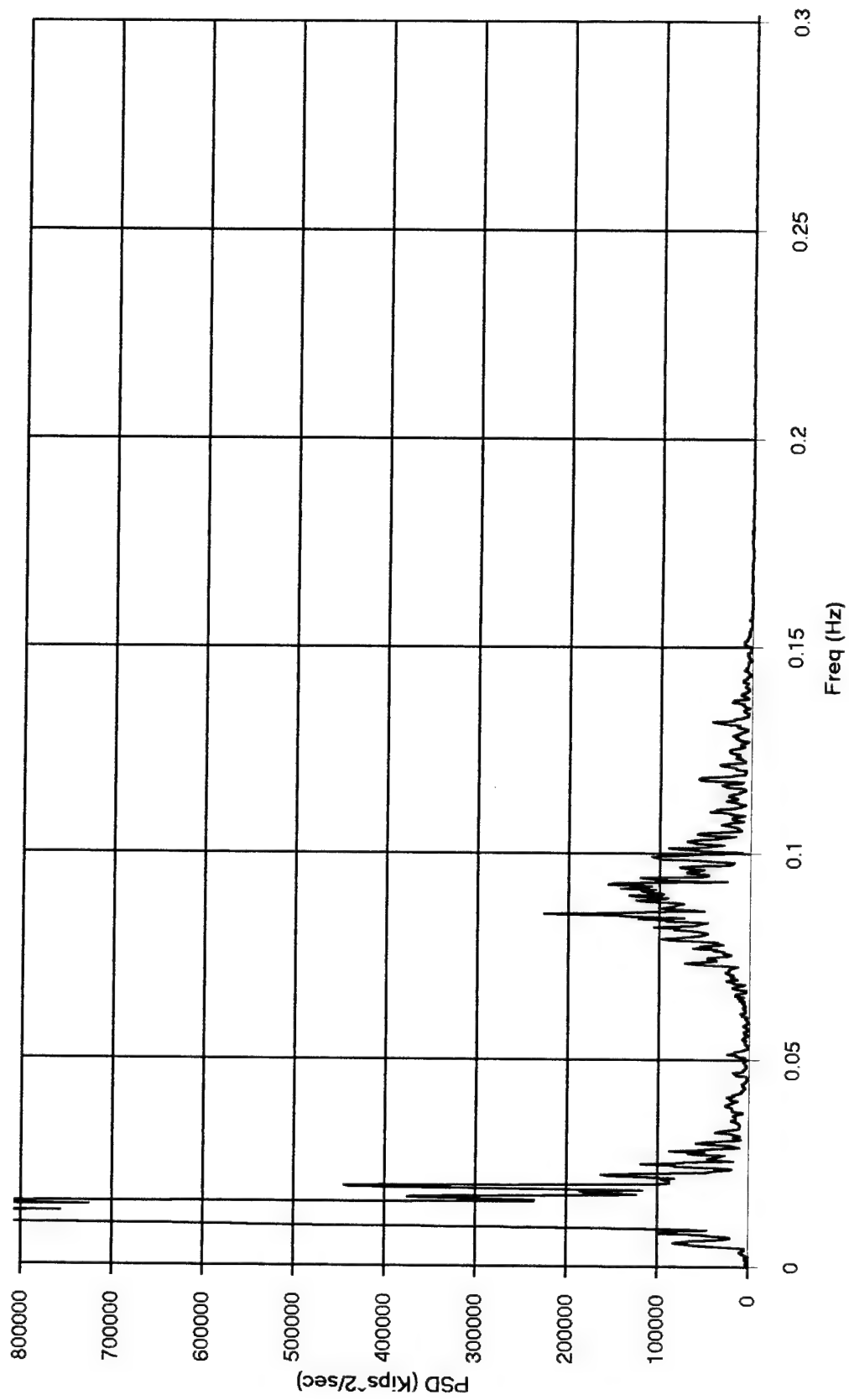
Test A556B - ML-1 PSD



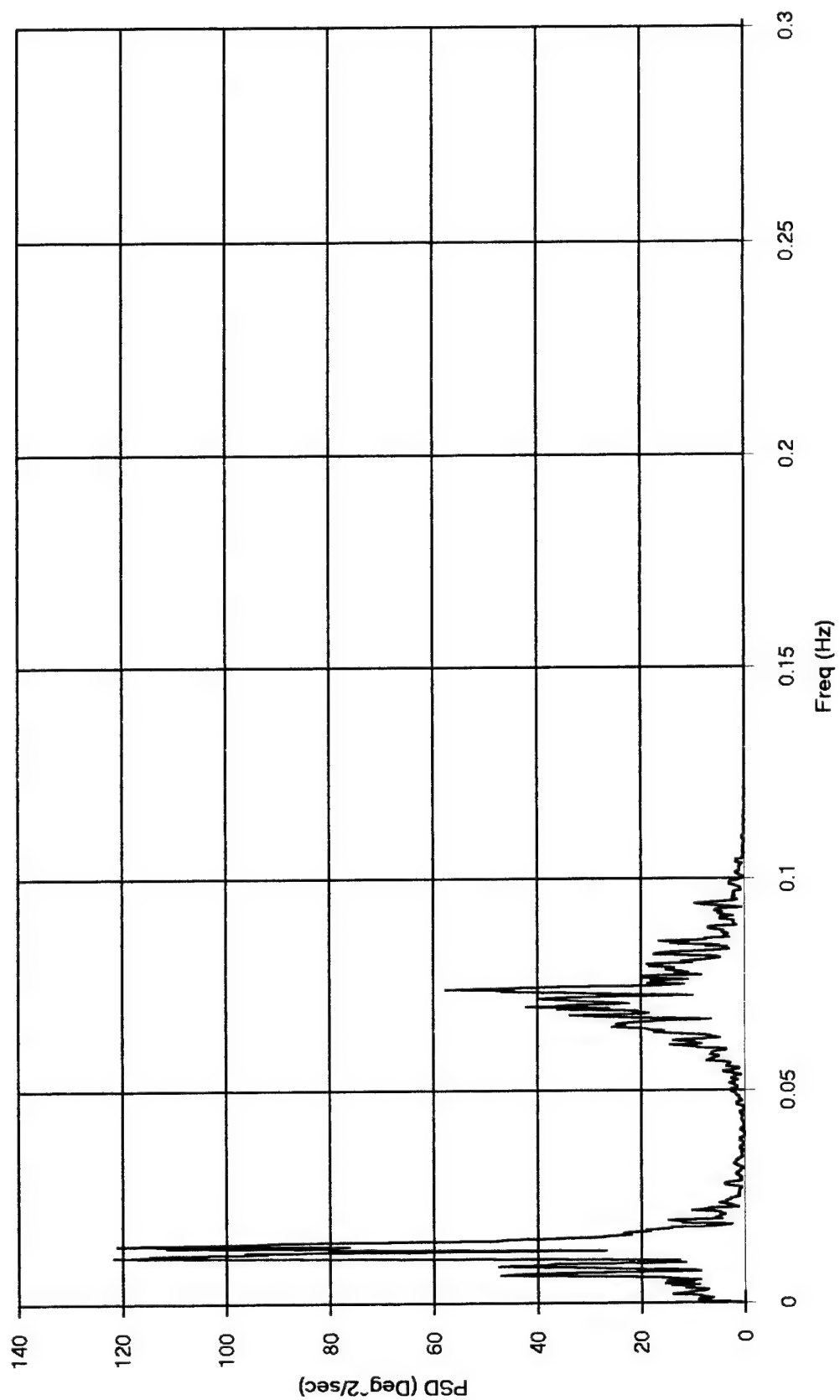
Test A556B - BT-1 PSD



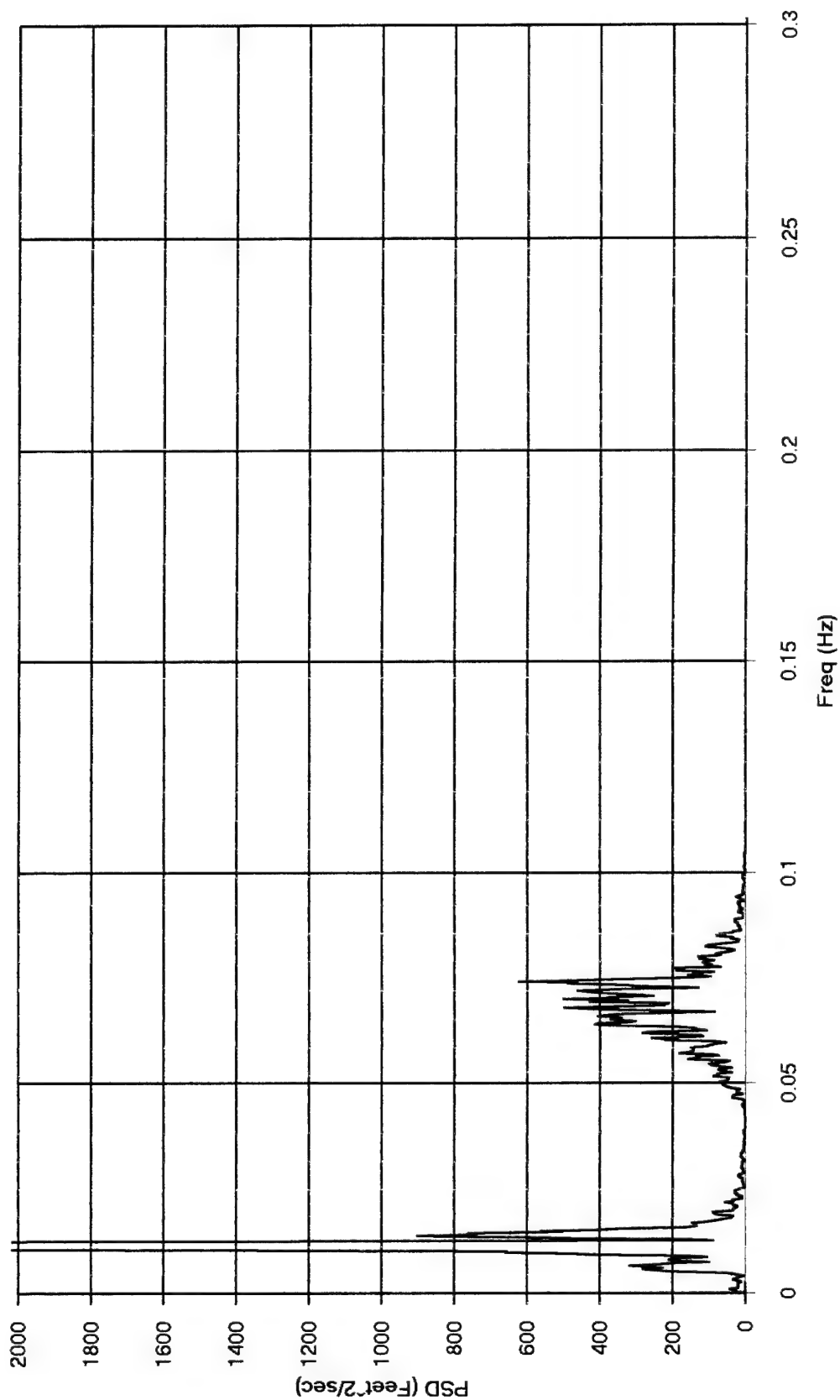
Test A556B - BT-3 PSD



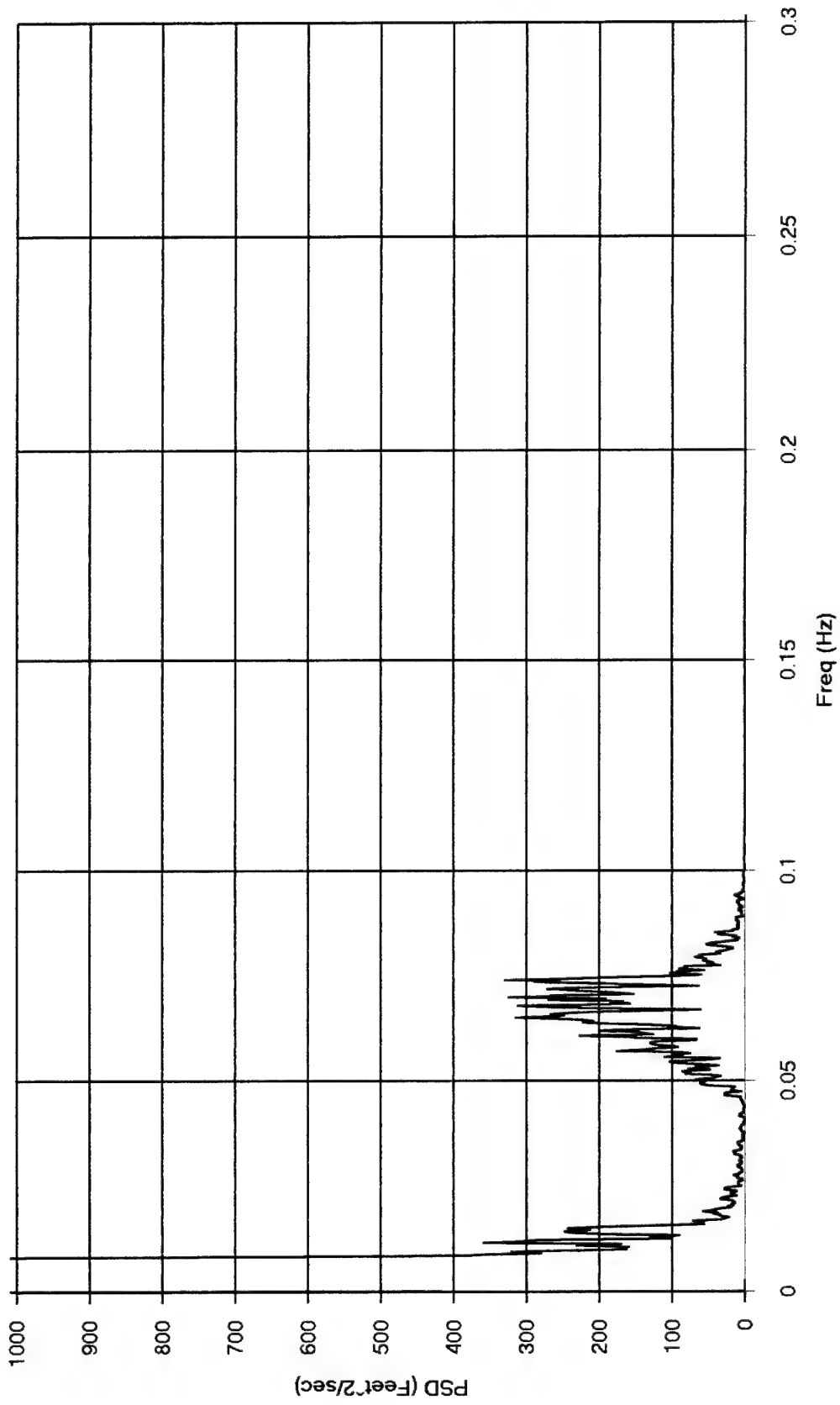
Test A557 - PITCH PSD



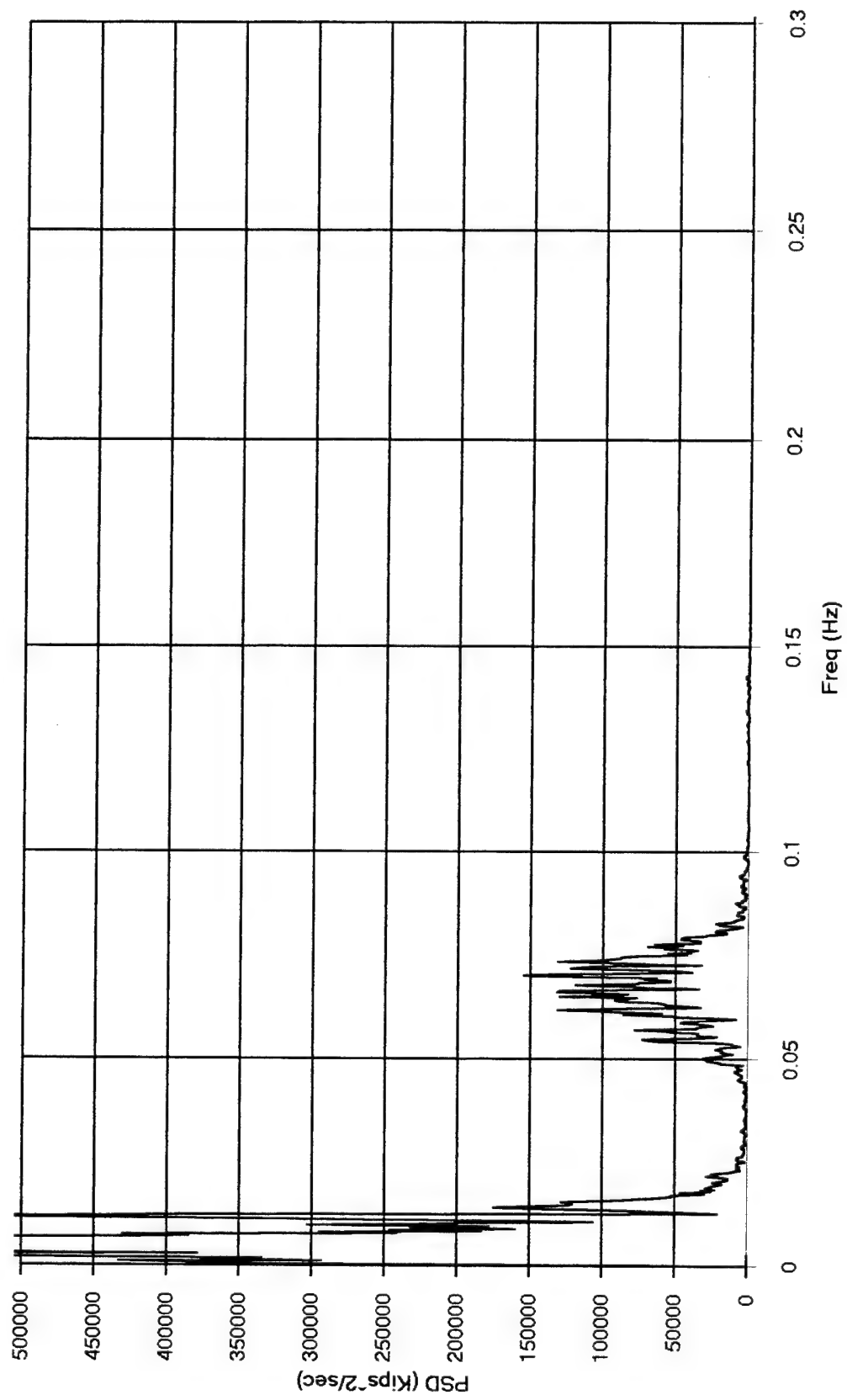
Test A557 - HEAVE PSD



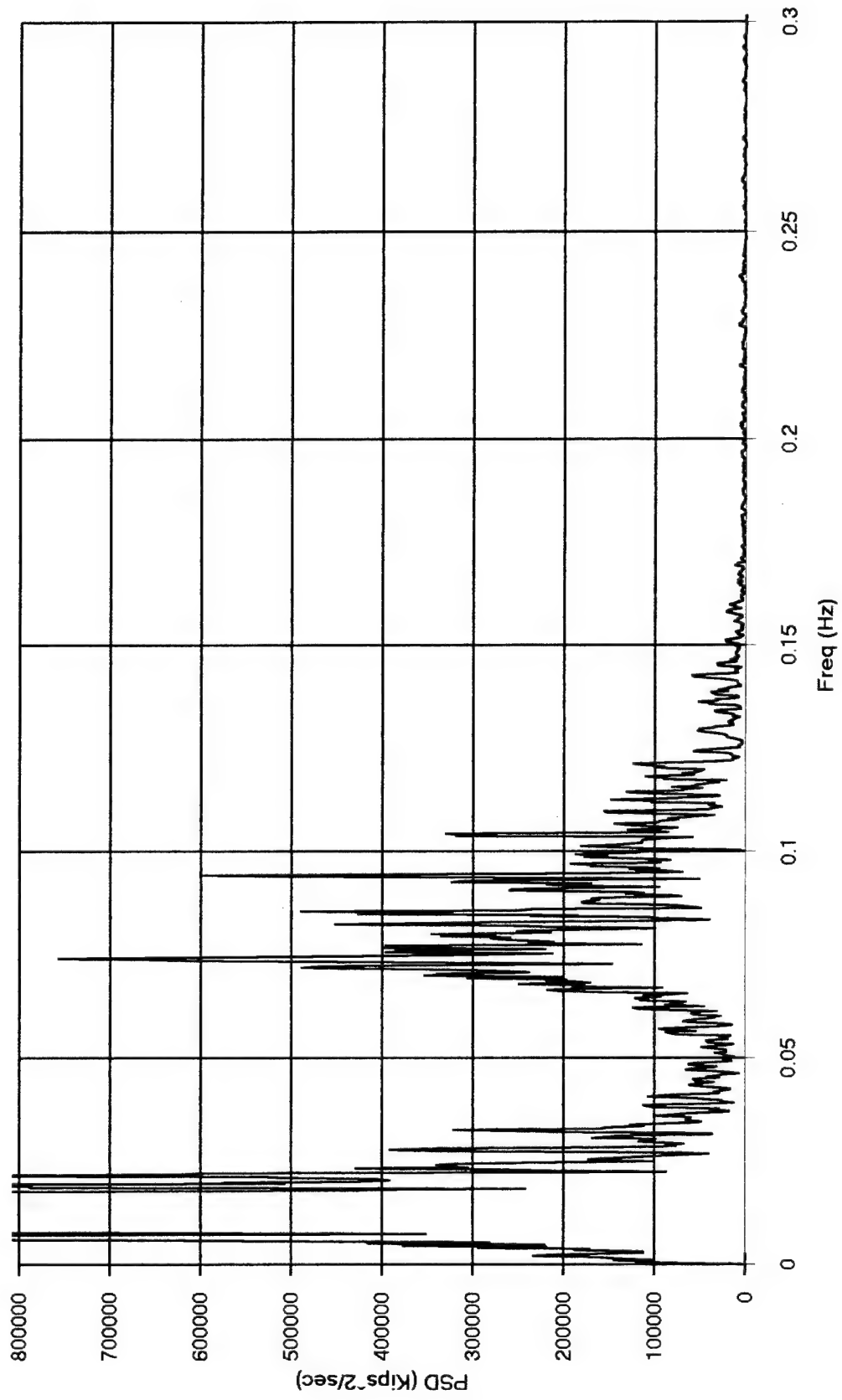
Test A557 - SURGE PSD



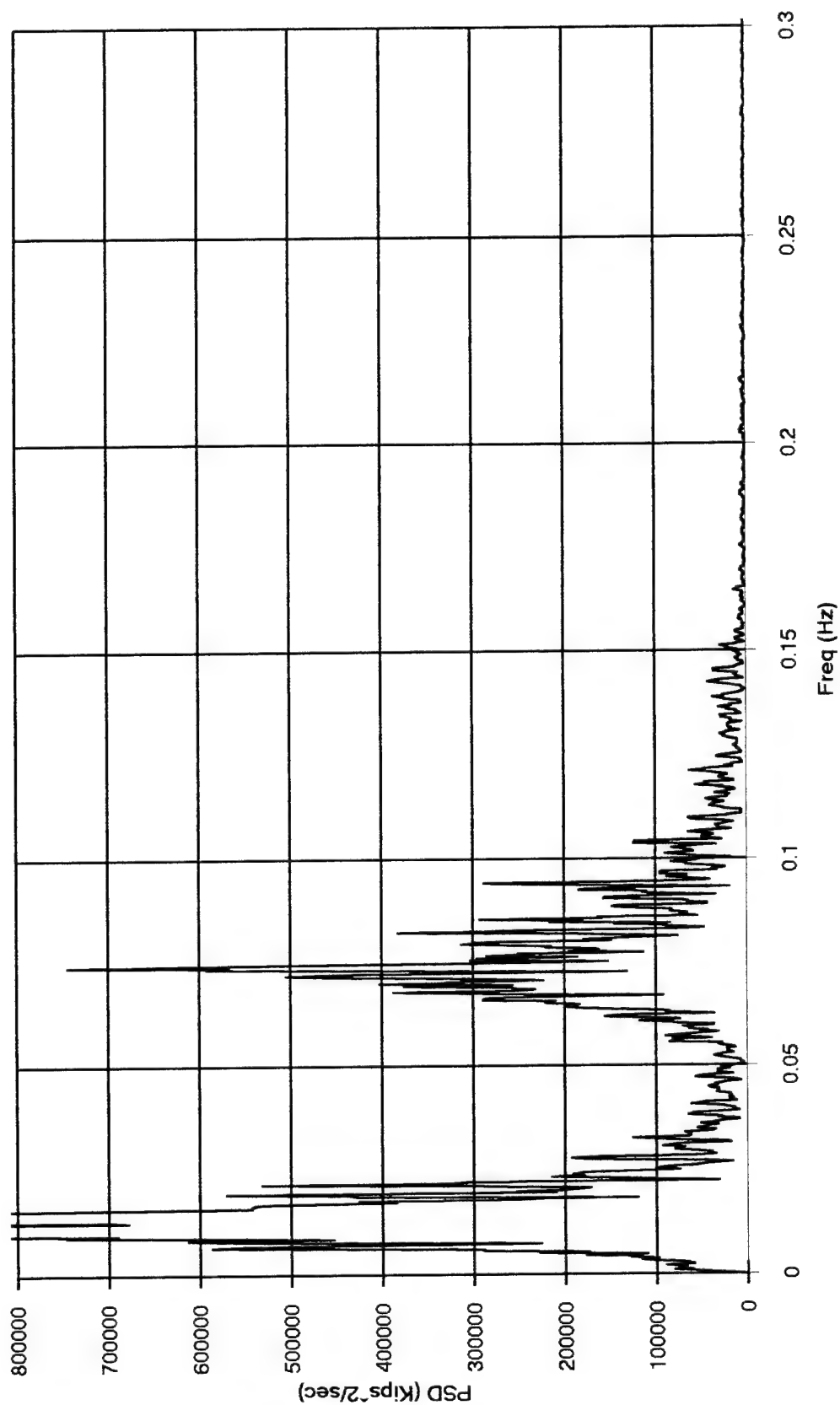
Test A557 - ML-1 PSD



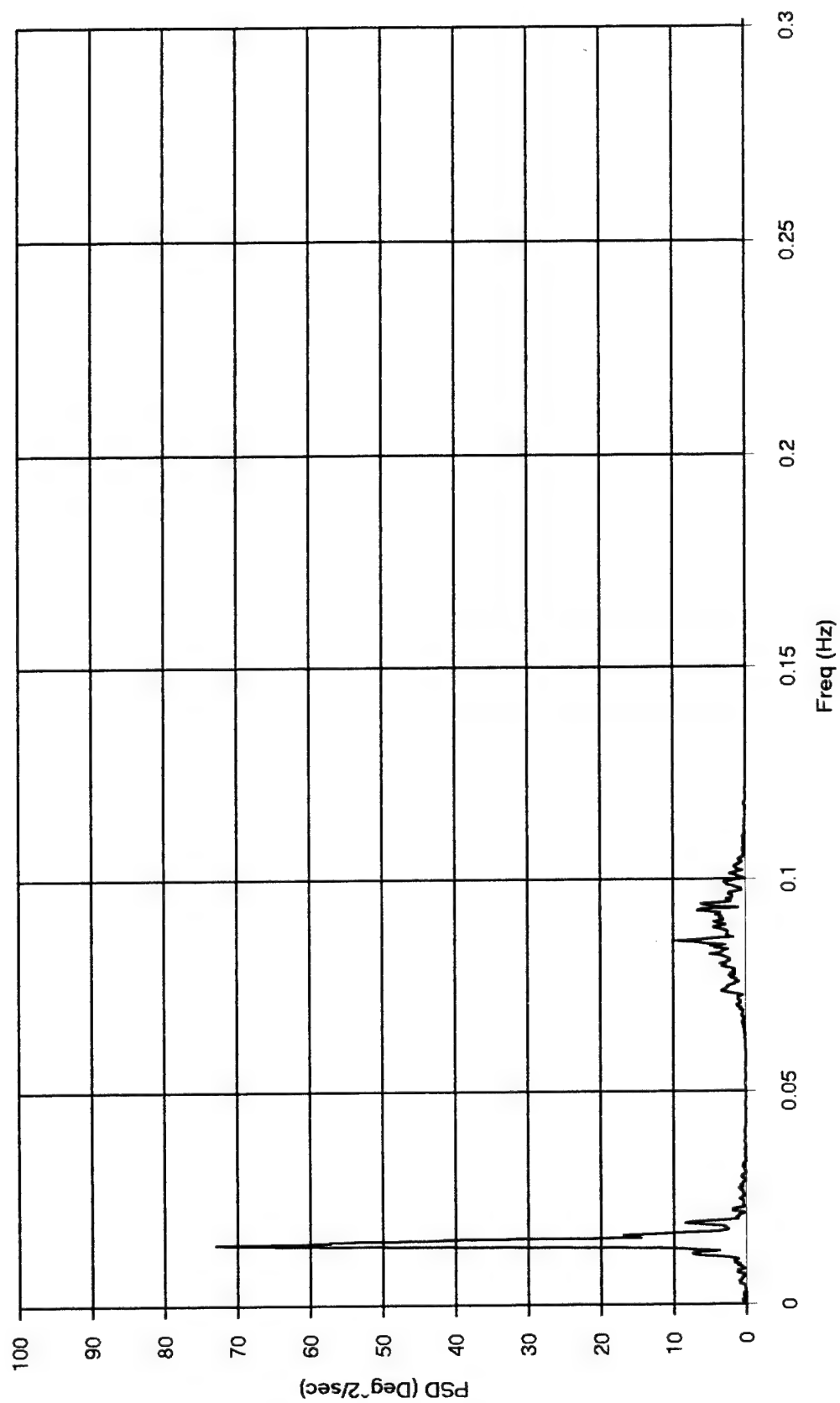
Test A557 - BT-1 PSD



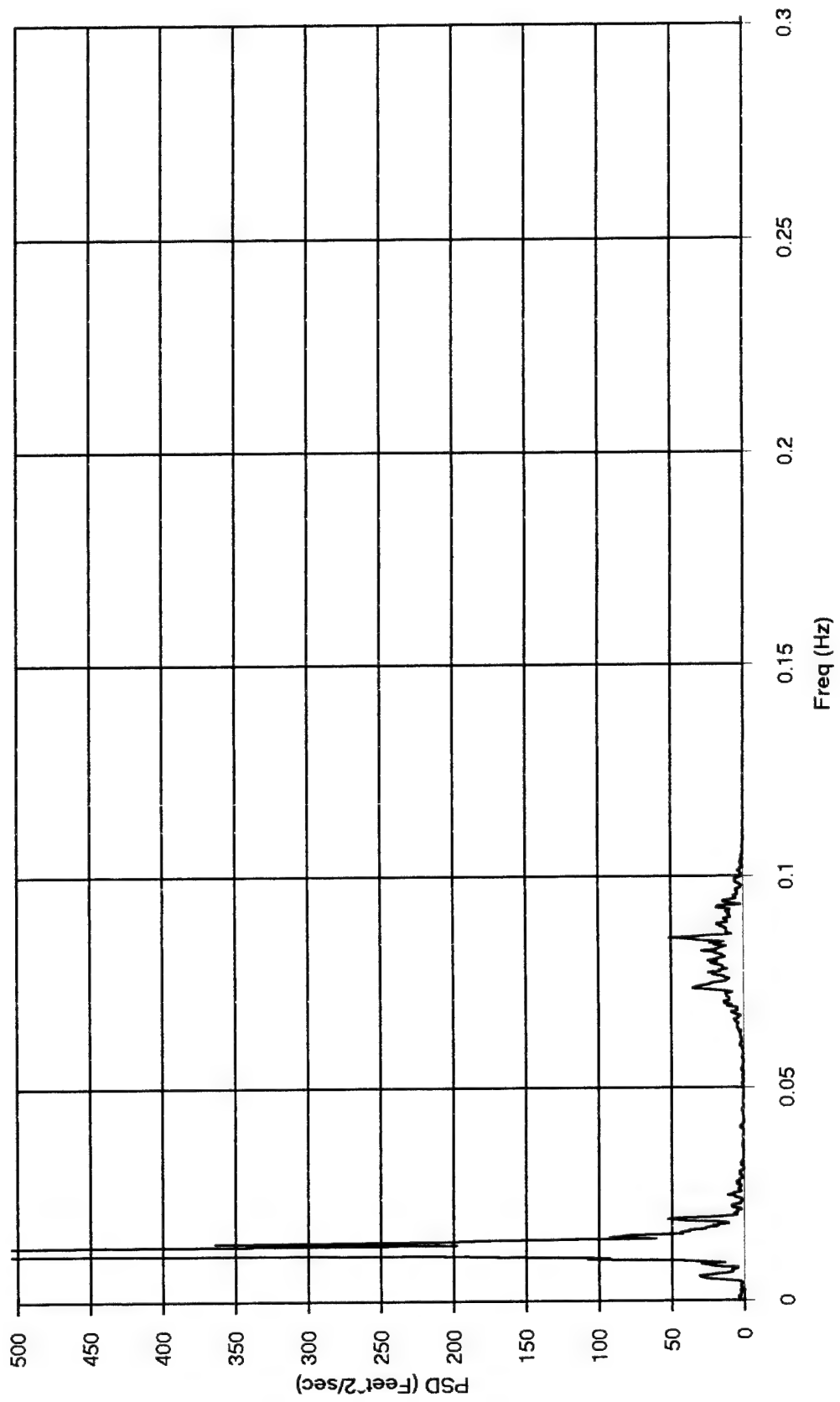
Test A557 - BT-3 PSD



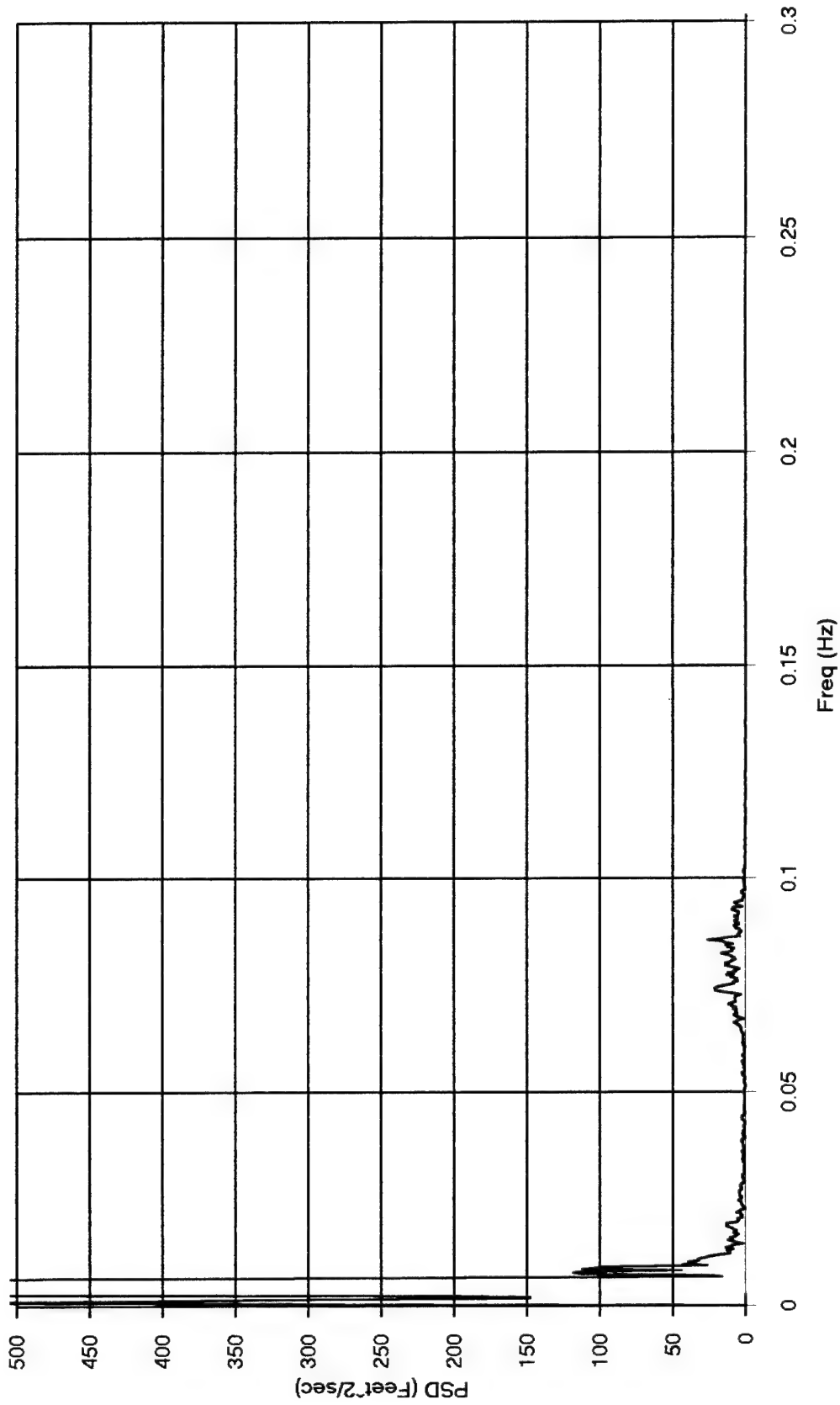
Test A586 - PITCH PSD



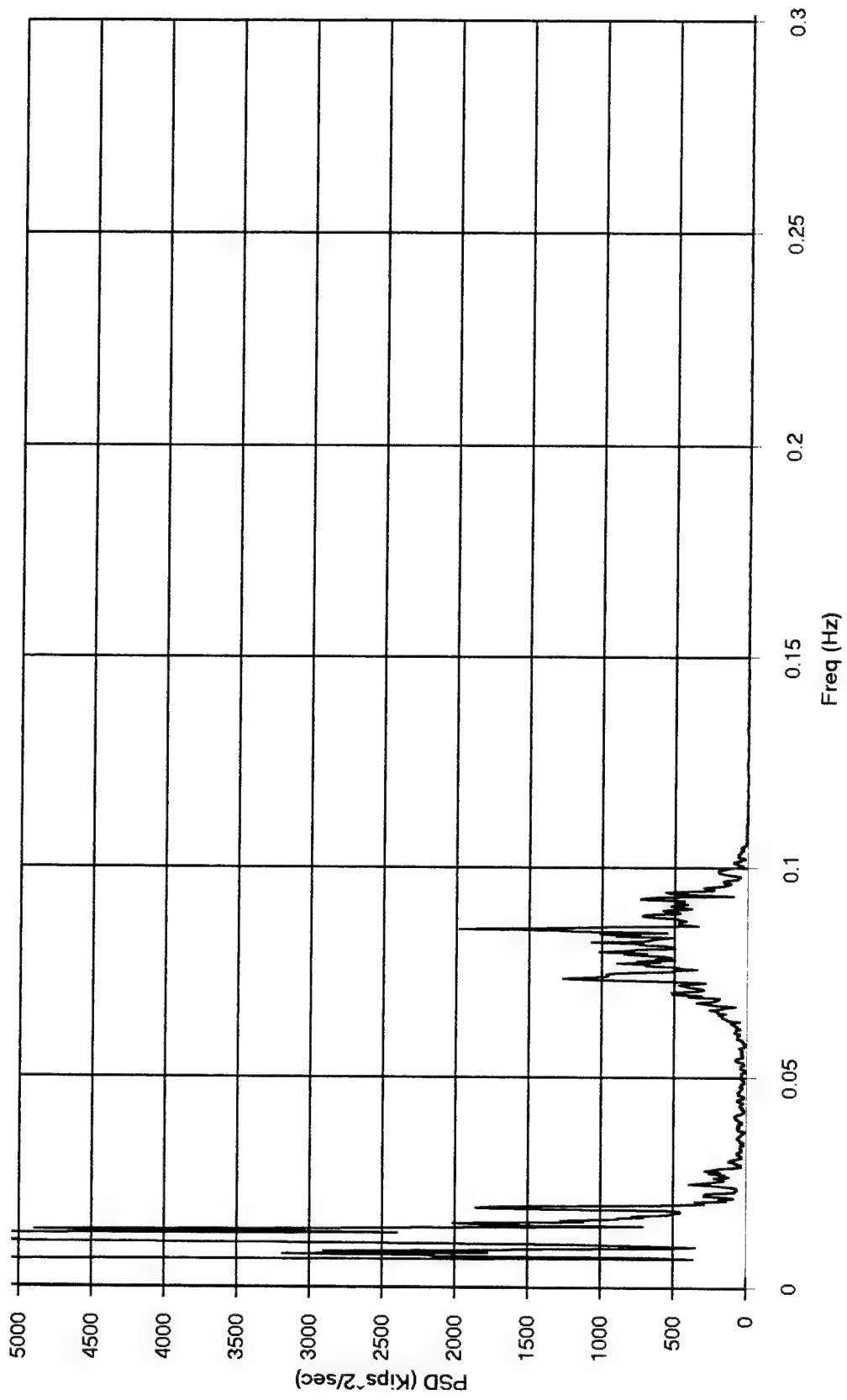
Test A586 - HEAVE PSD



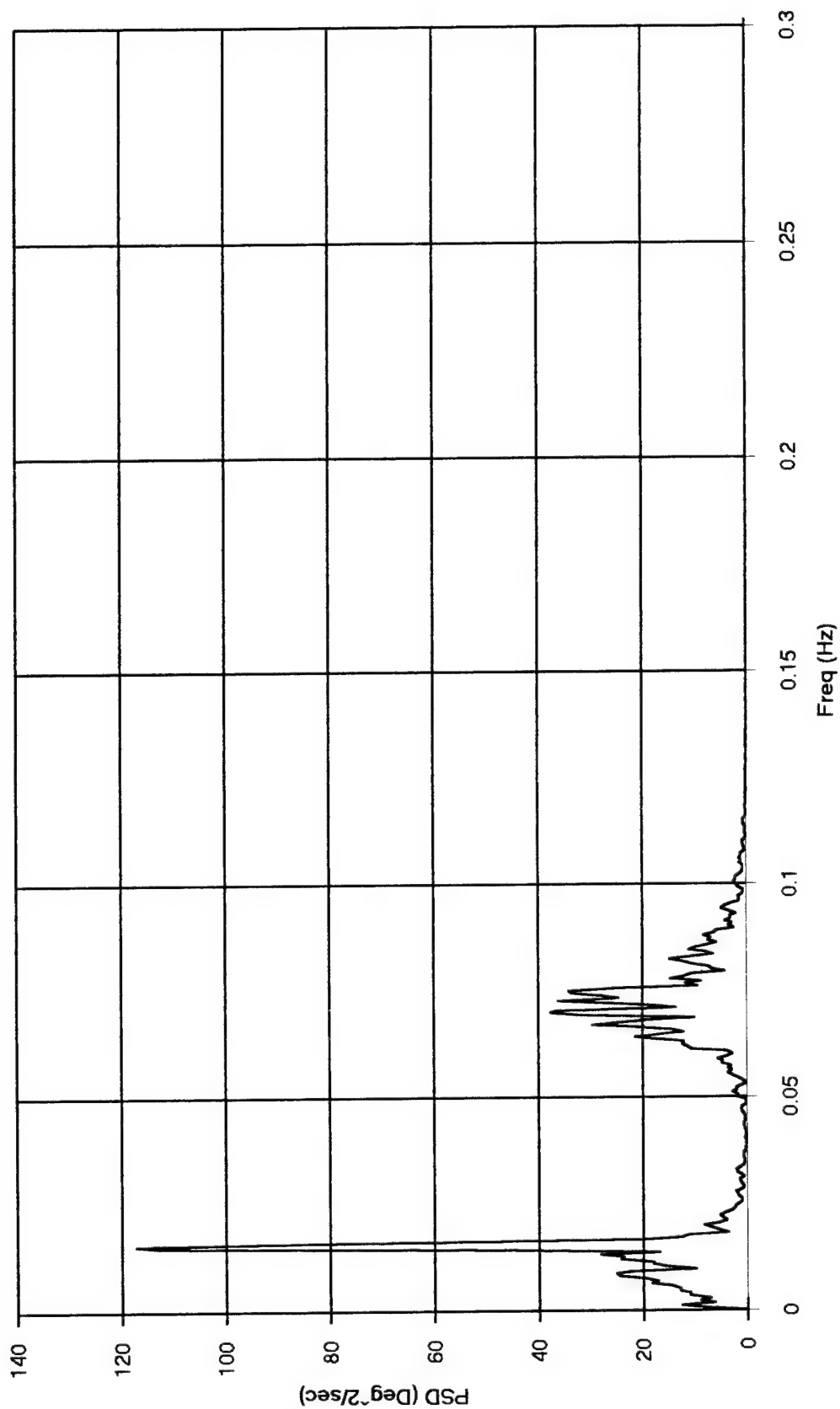
Test A586 - SURGE PSD



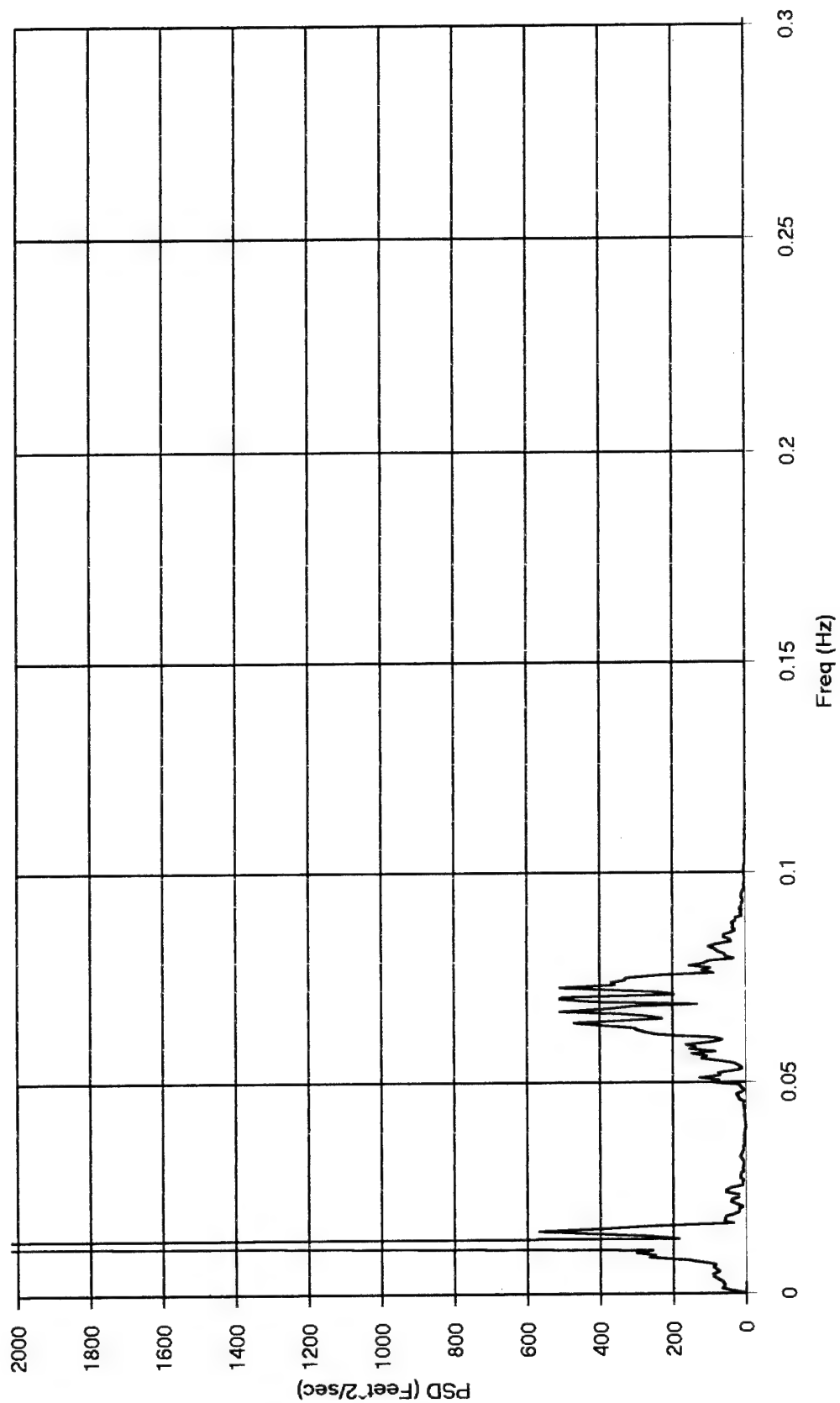
Test A586 - ML-1 PSD



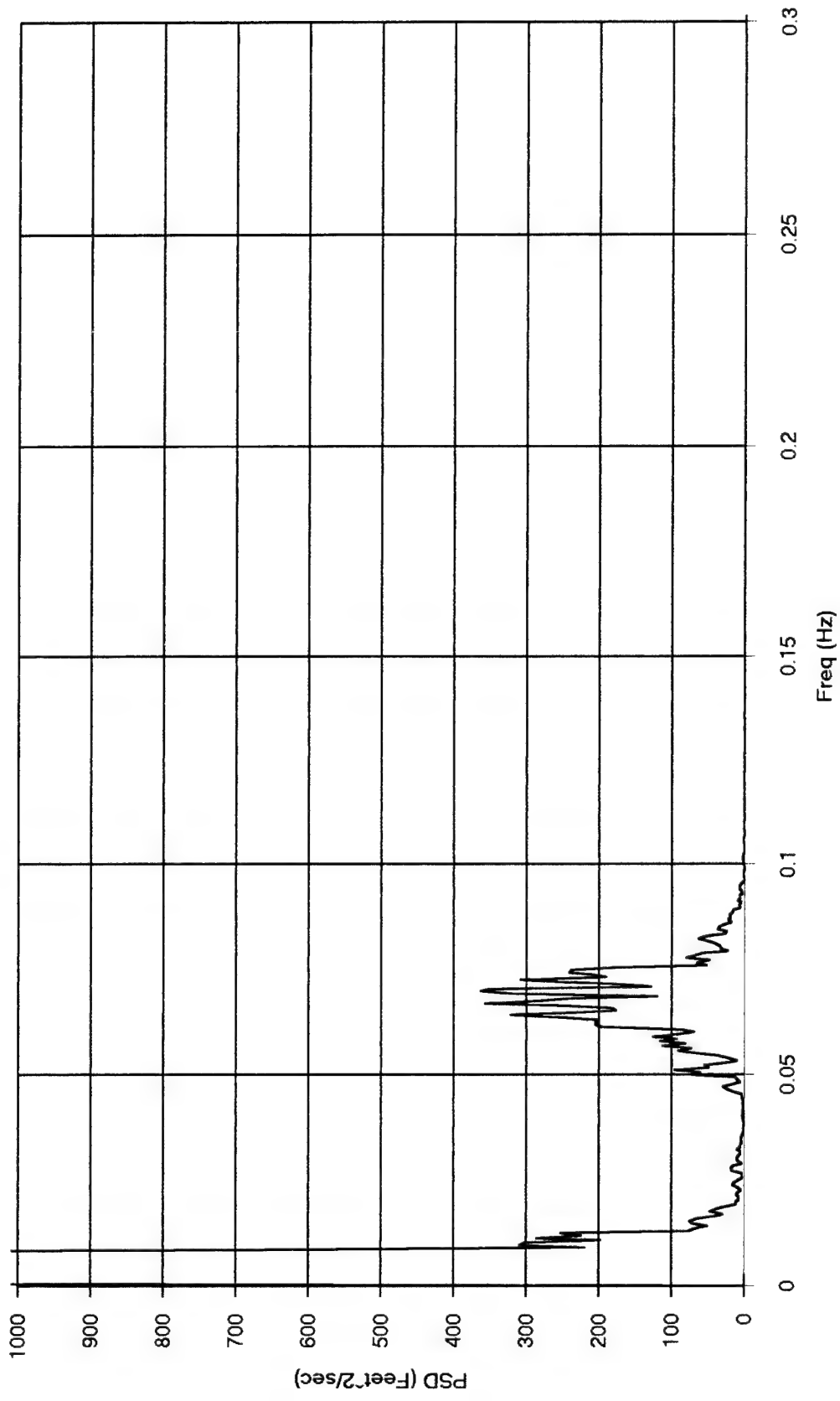
Test A587 - PITCH PSD



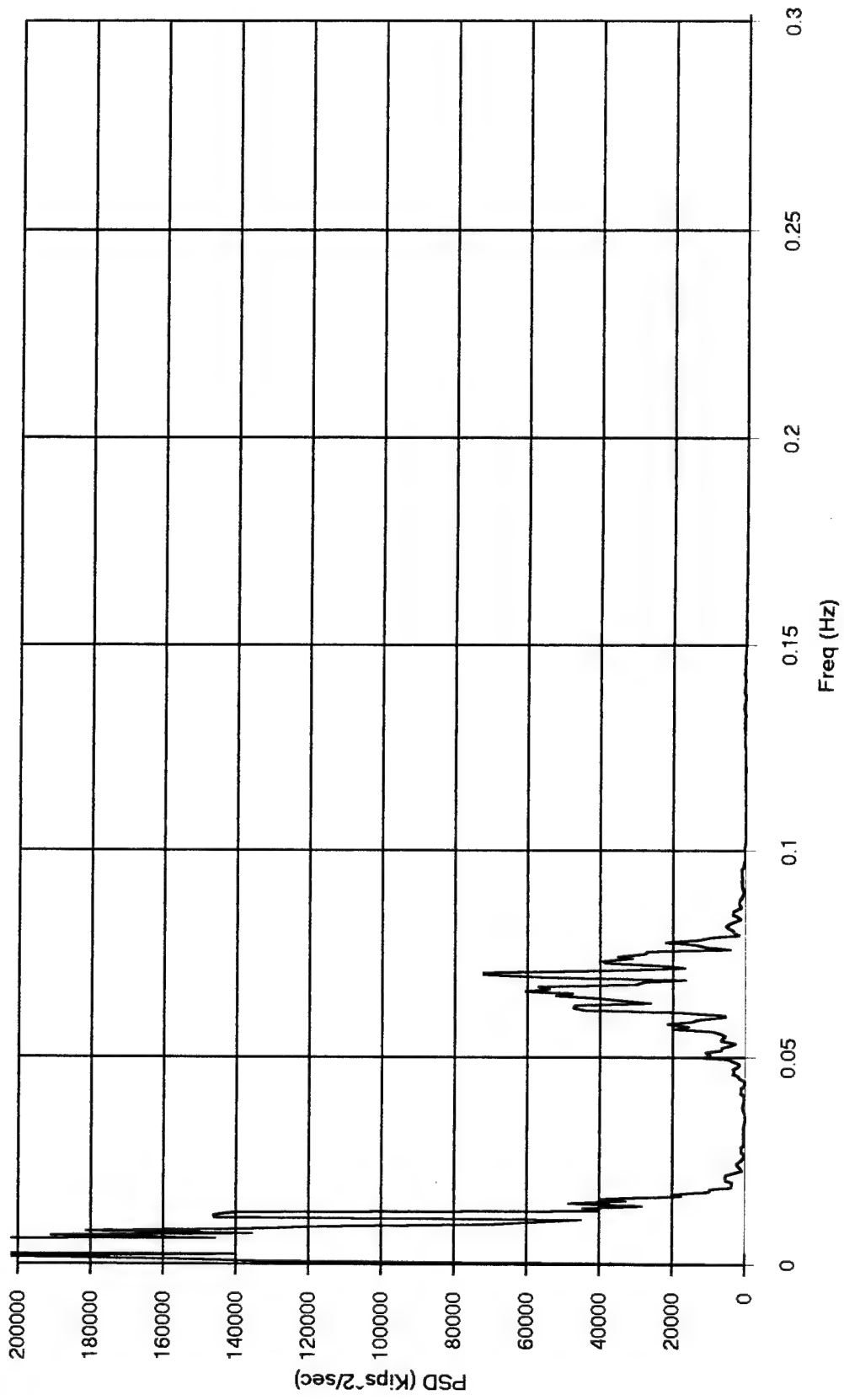
Test A587 - HEAVE PSD



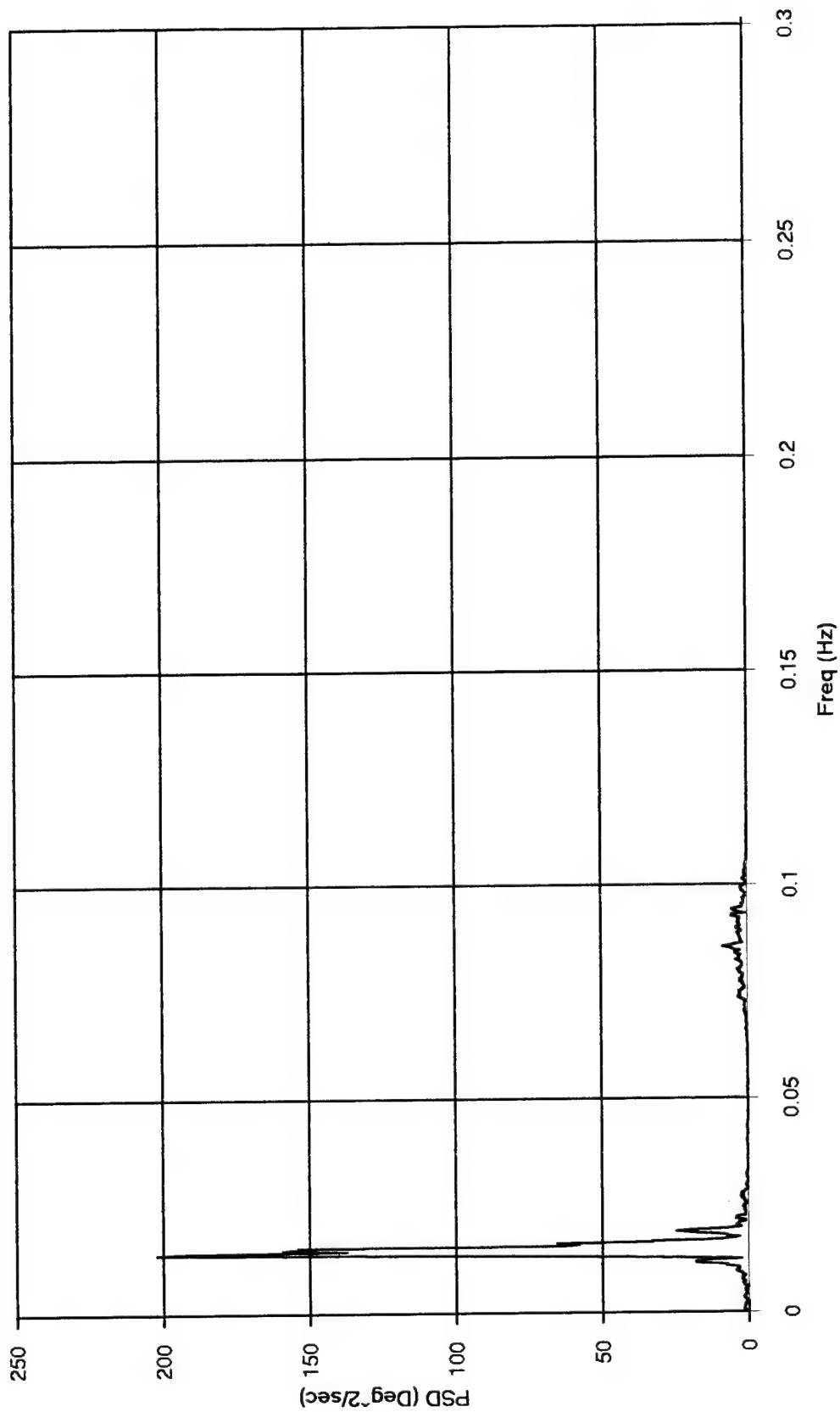
Test A587 - SURGE PSD



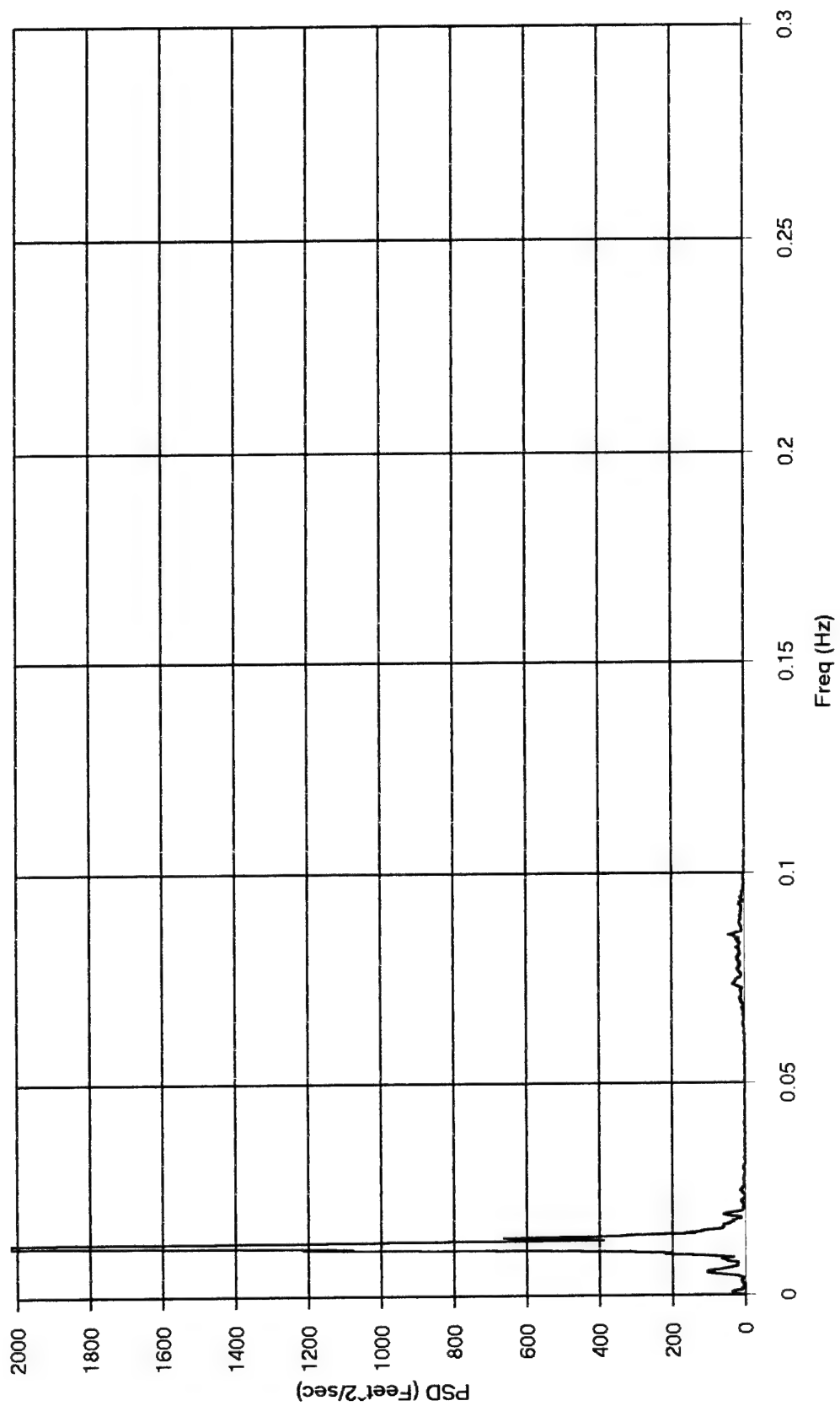
Test A587 - ML-1 PSD



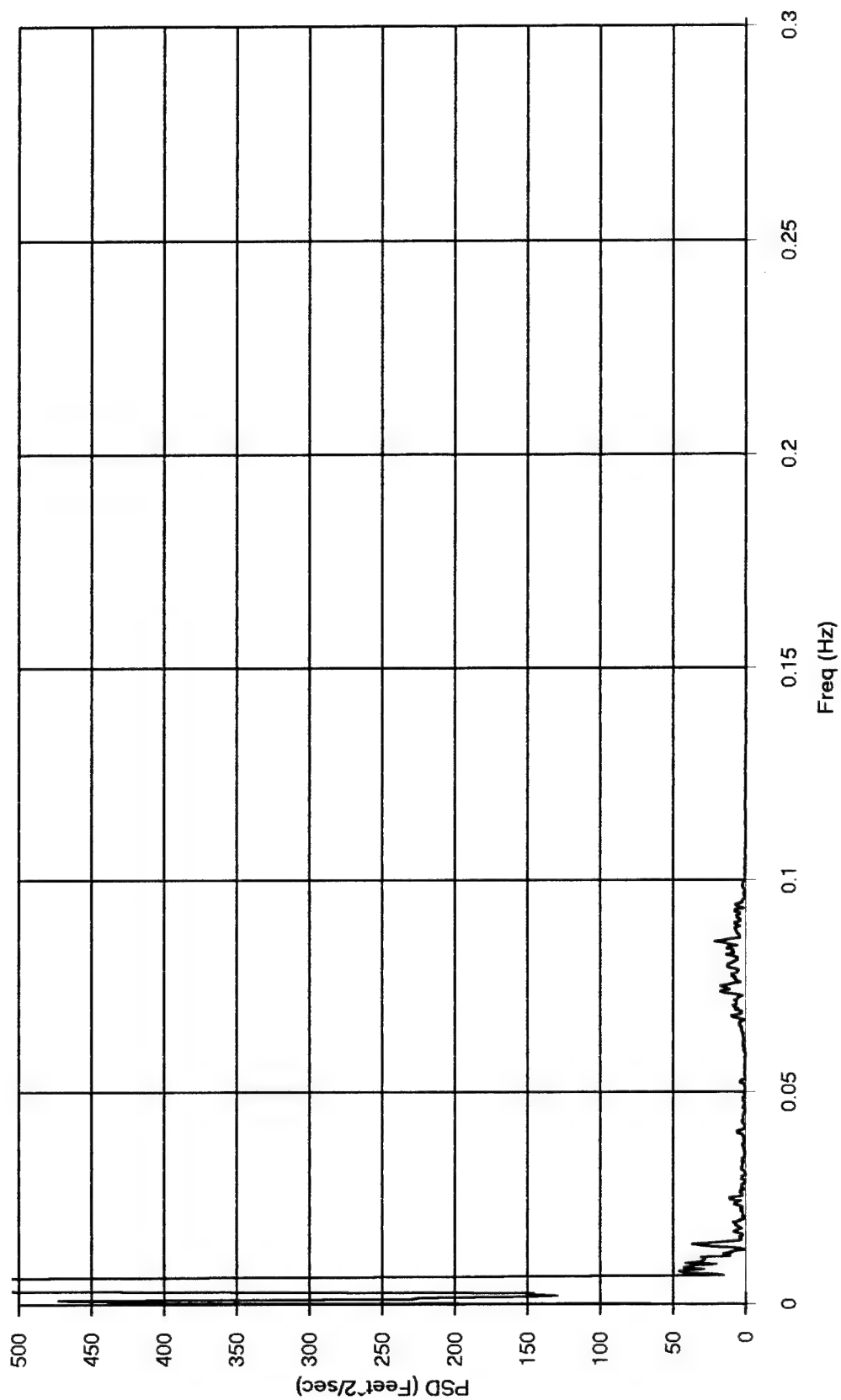
Test A598 - PITCH PSD



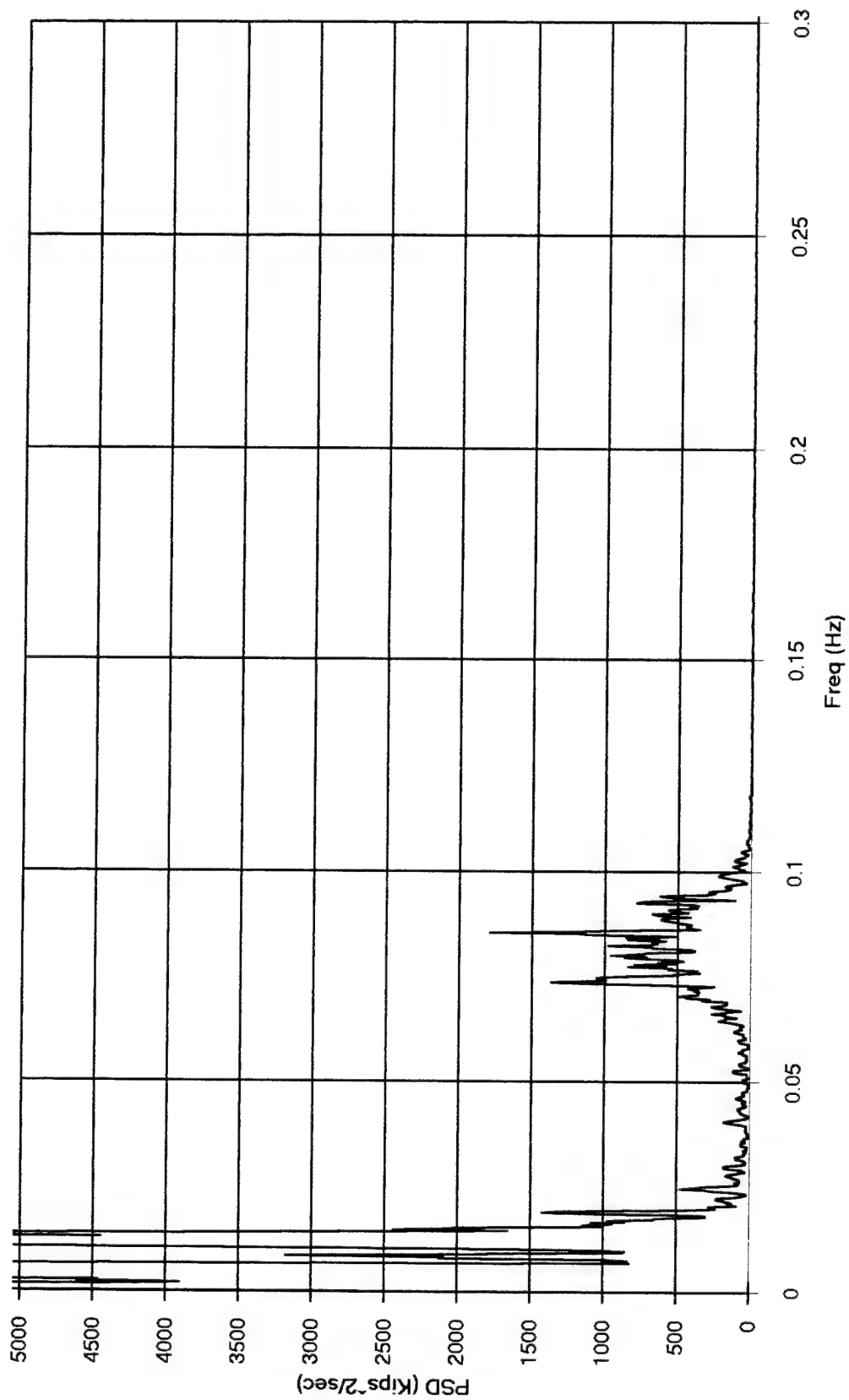
Test A598 - HEAVE PSD



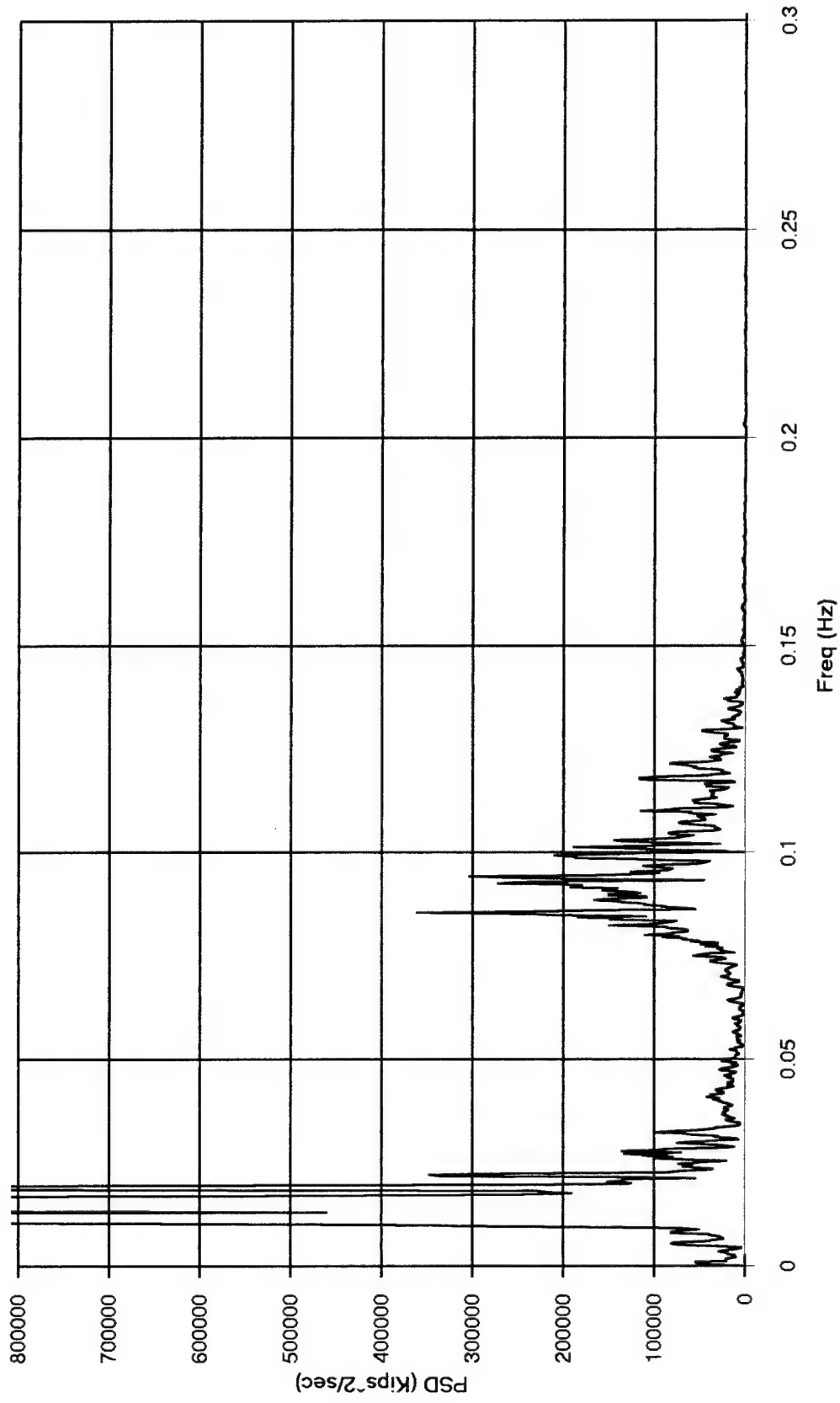
Test A598 - SURGE PSD



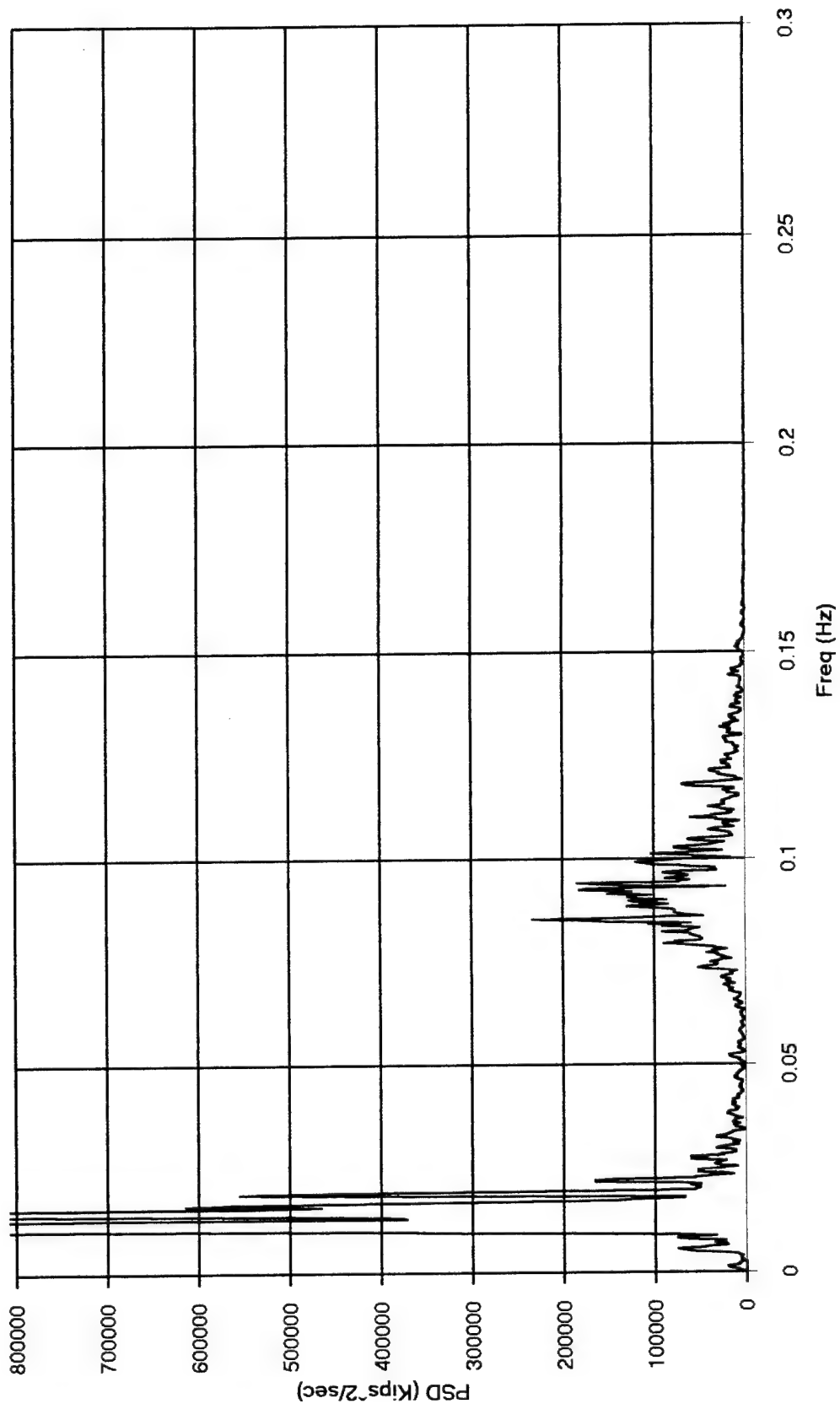
Test A598 - ML-1 PSD



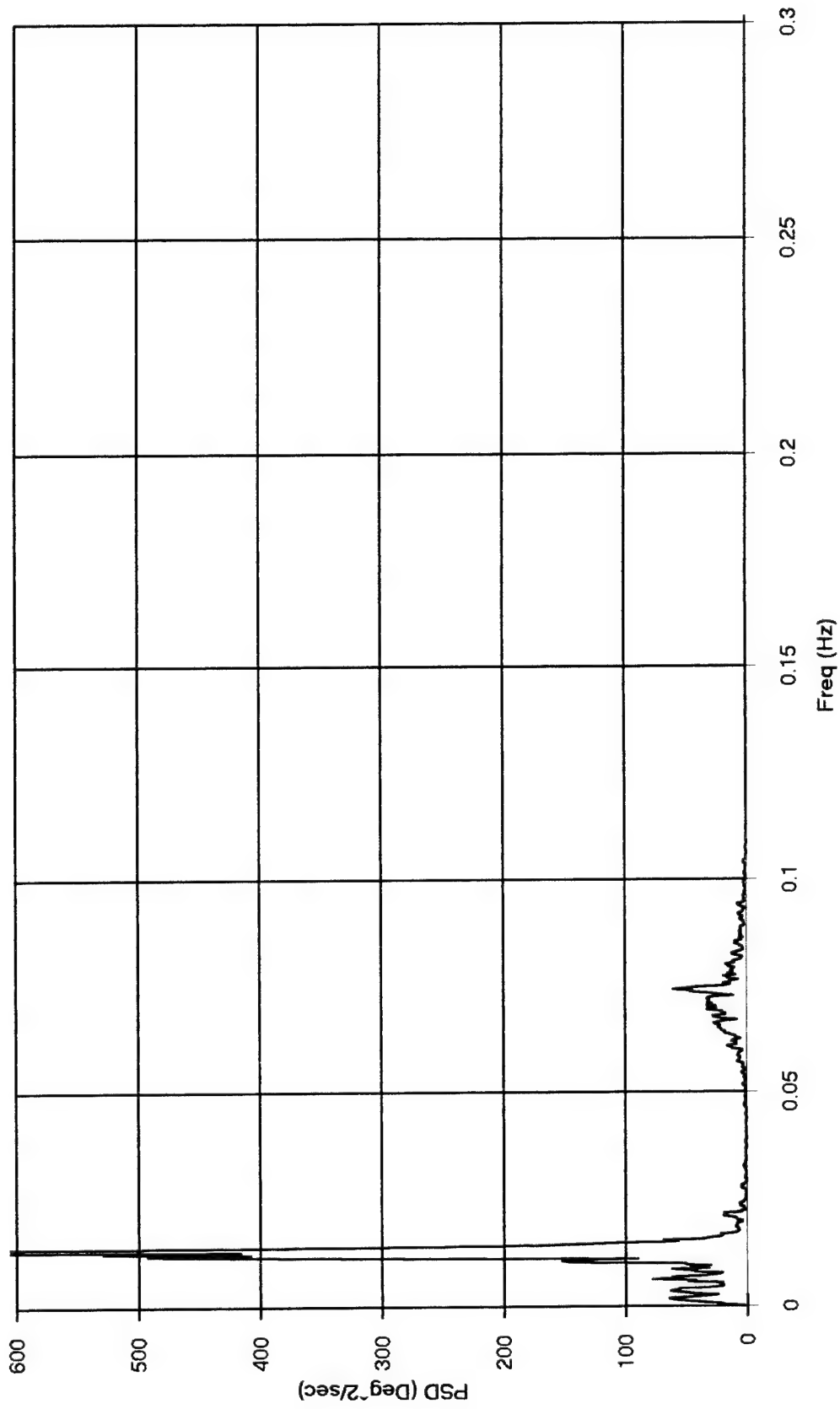
Test A598 - BT-1 PSD



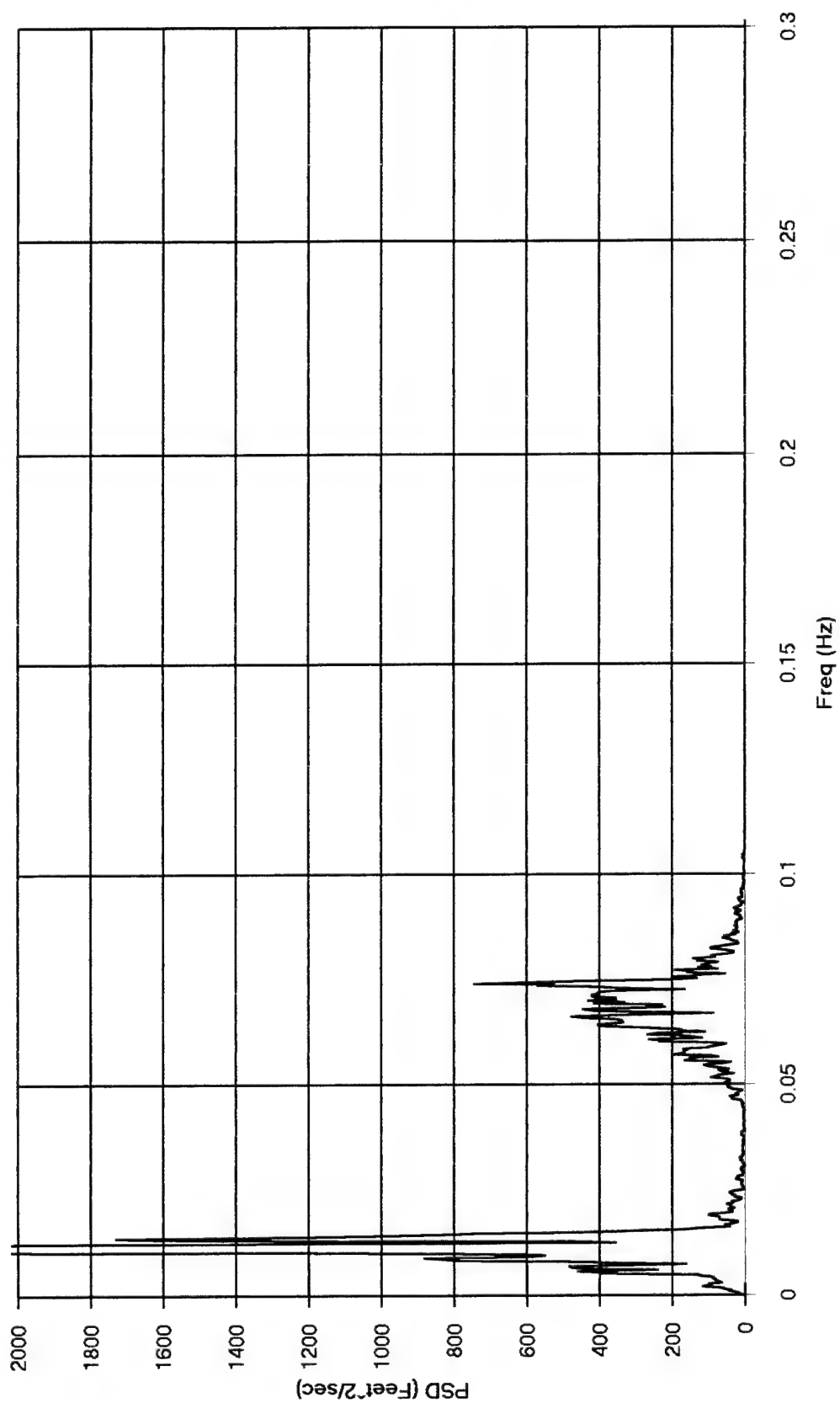
Test A598 - BT-3 PSD



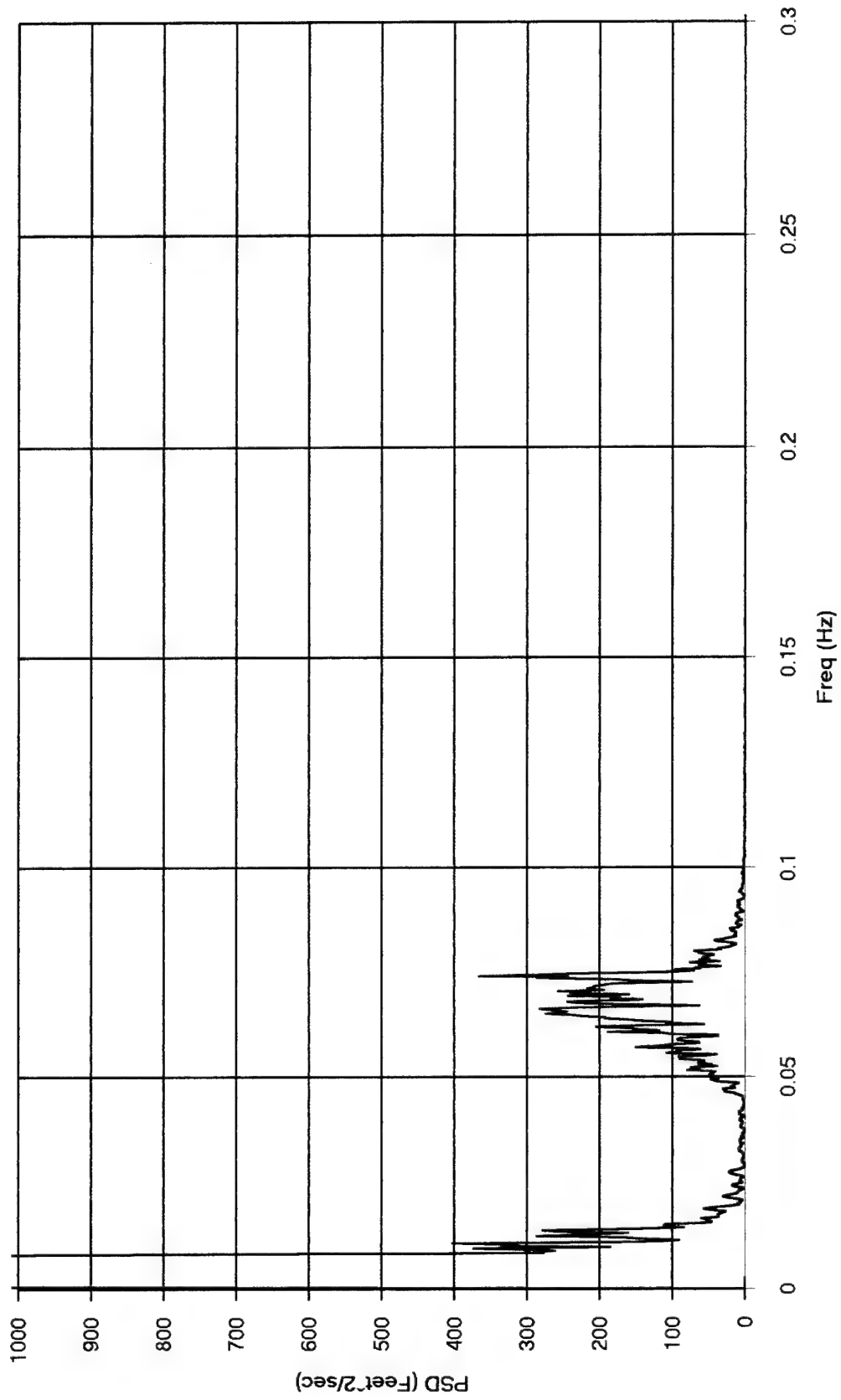
Test A599 - PITCH PSD



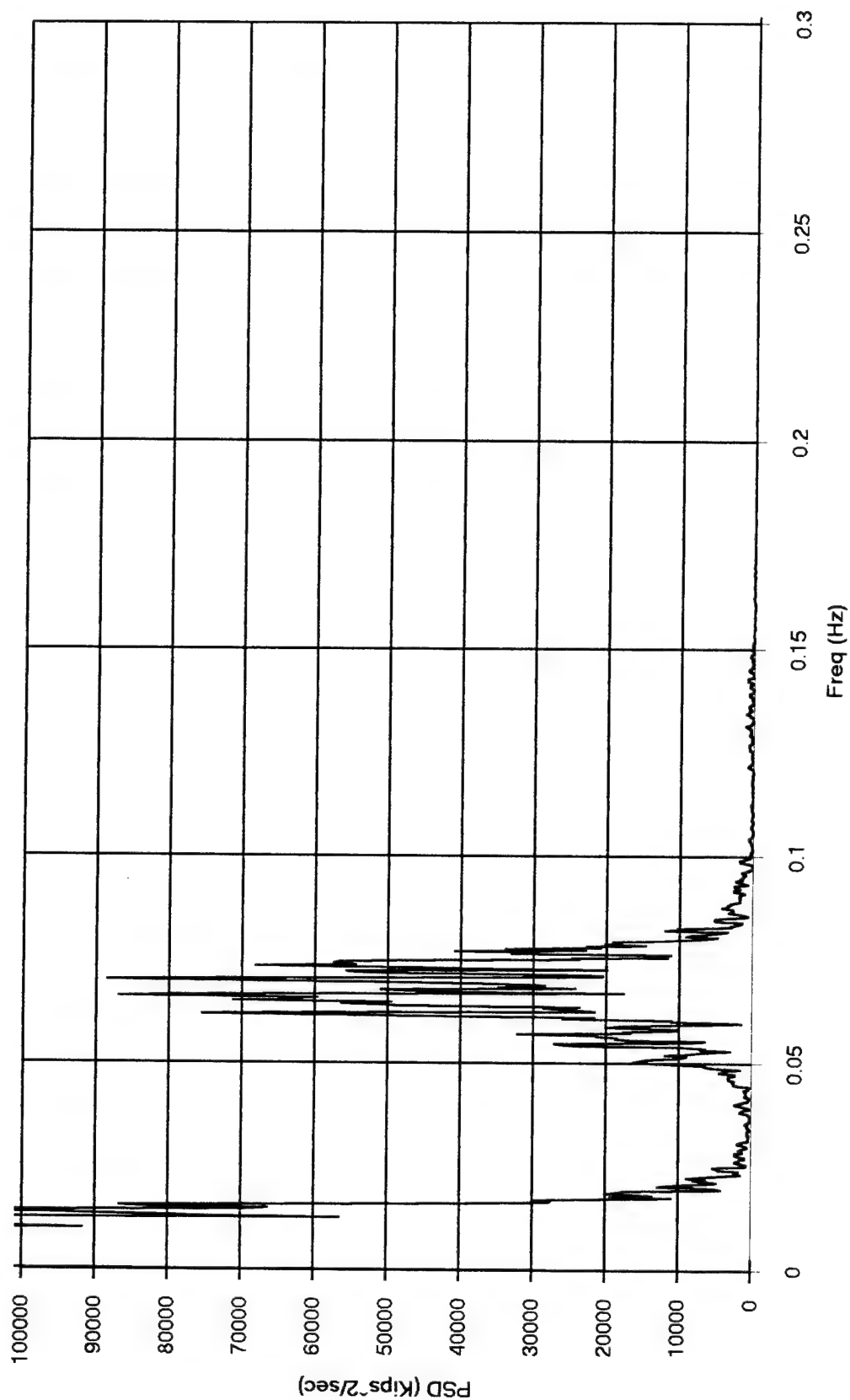
Test A599 - HEAVE PSD



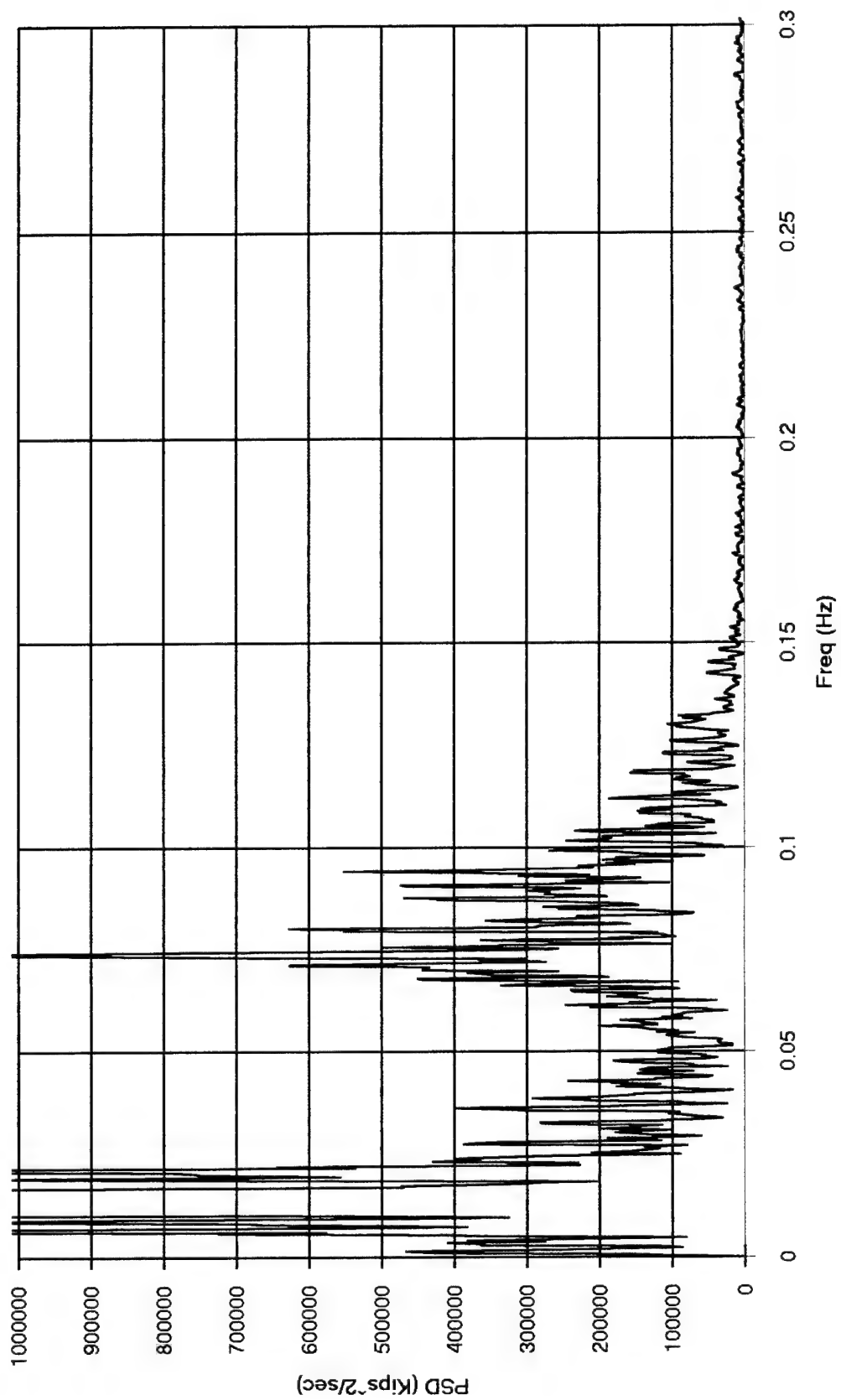
Test A599 - SURGE PSD



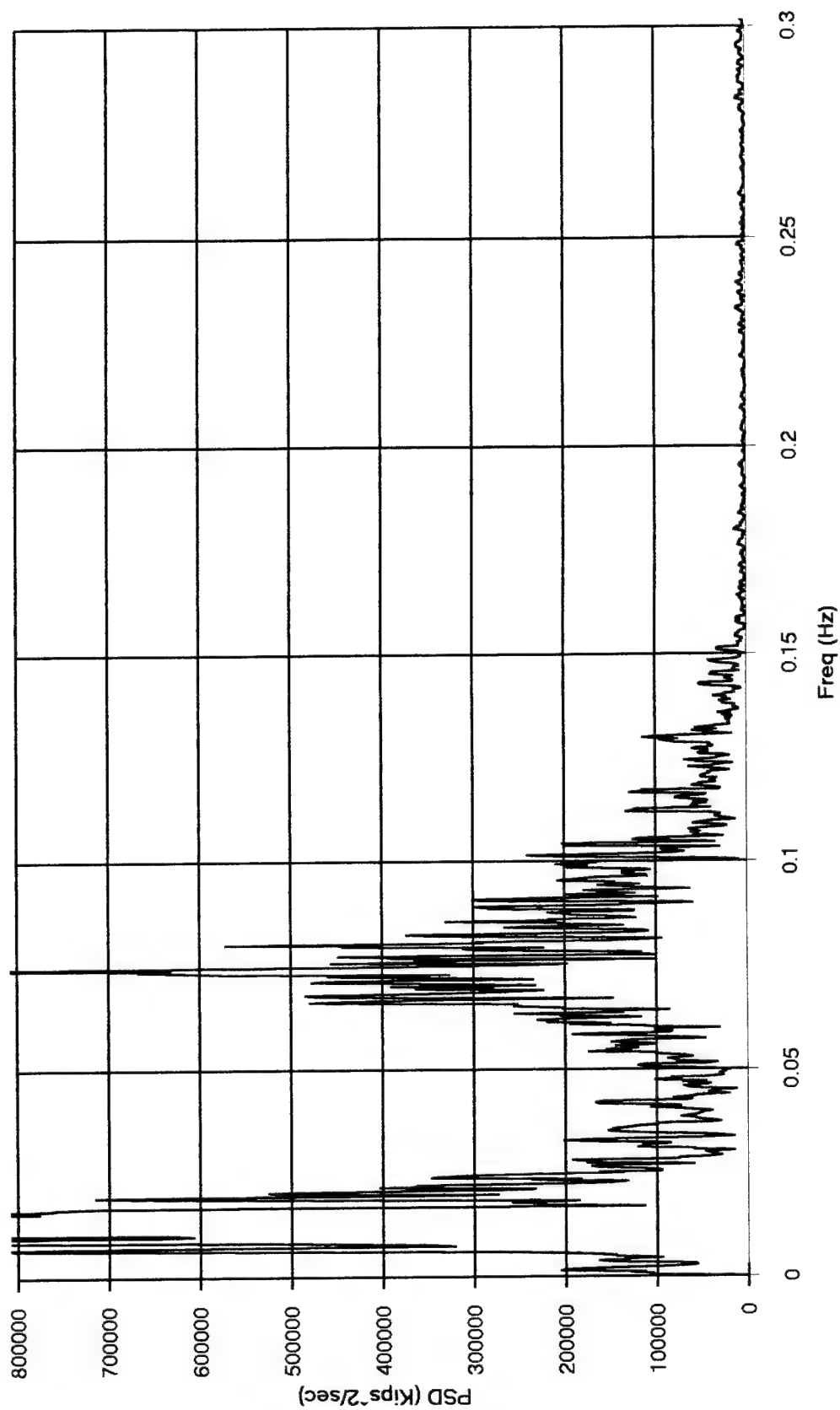
Test A599 - ML-1 PSD



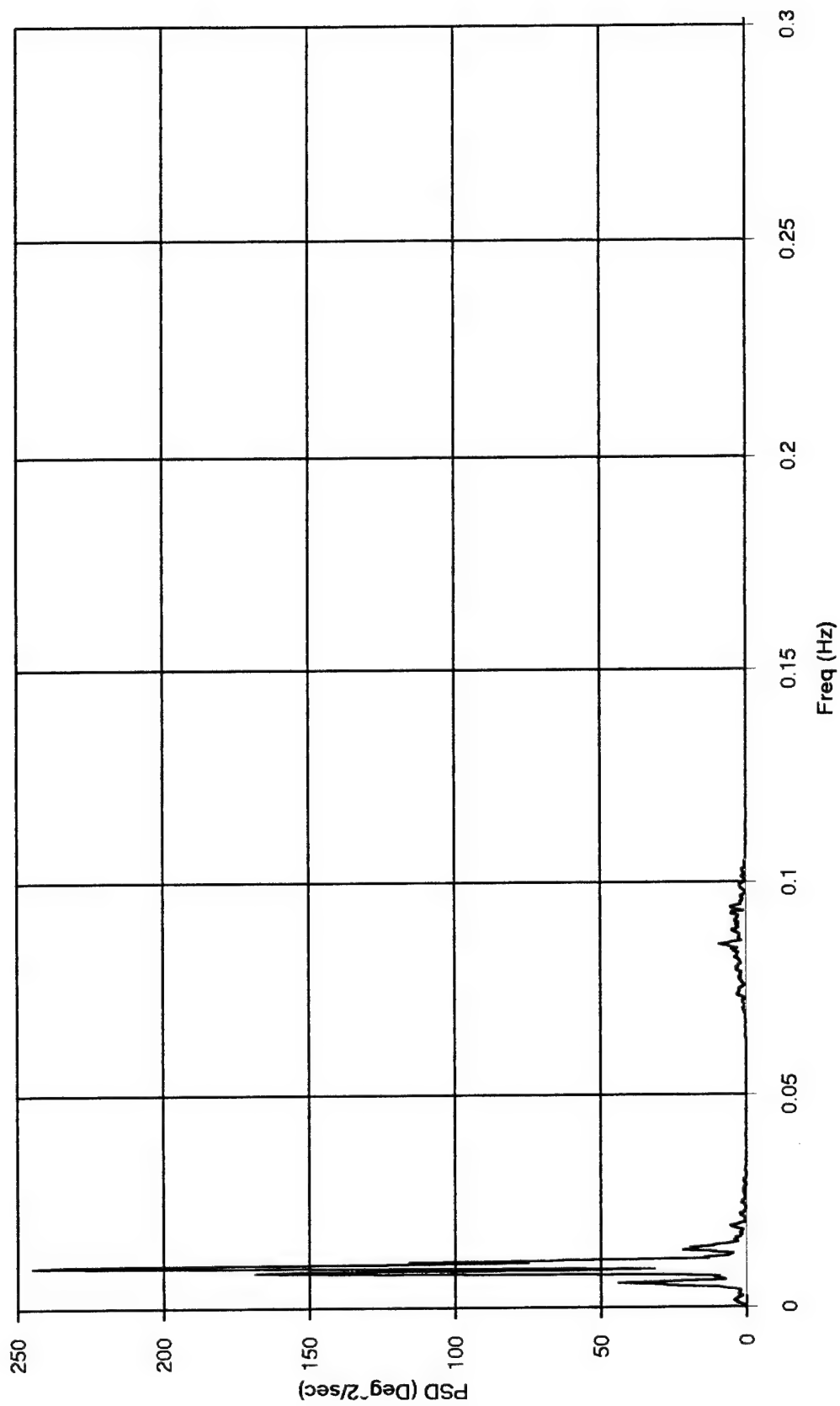
Test A599 - BT-1 PSD



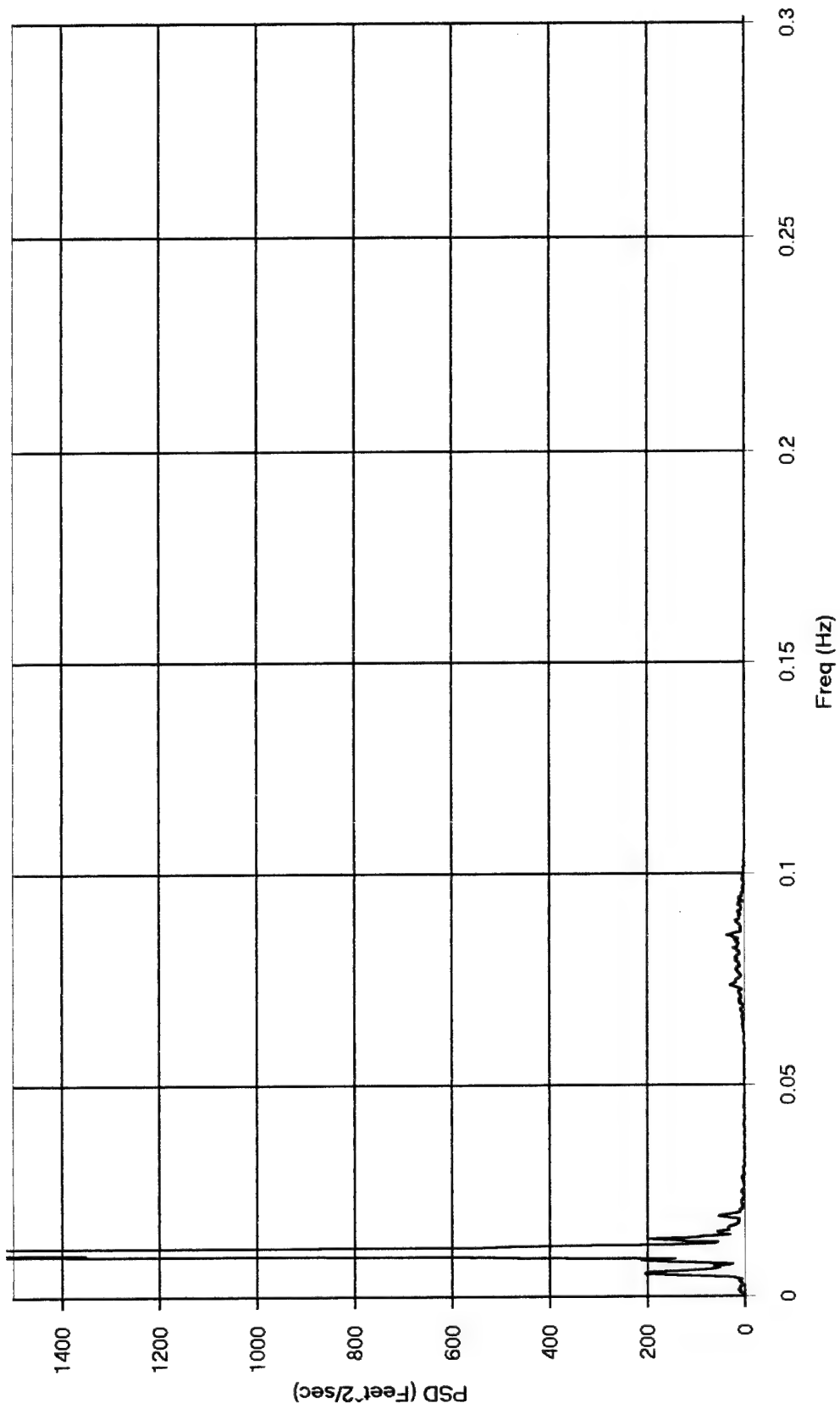
Test A599 - BT-3 PSD



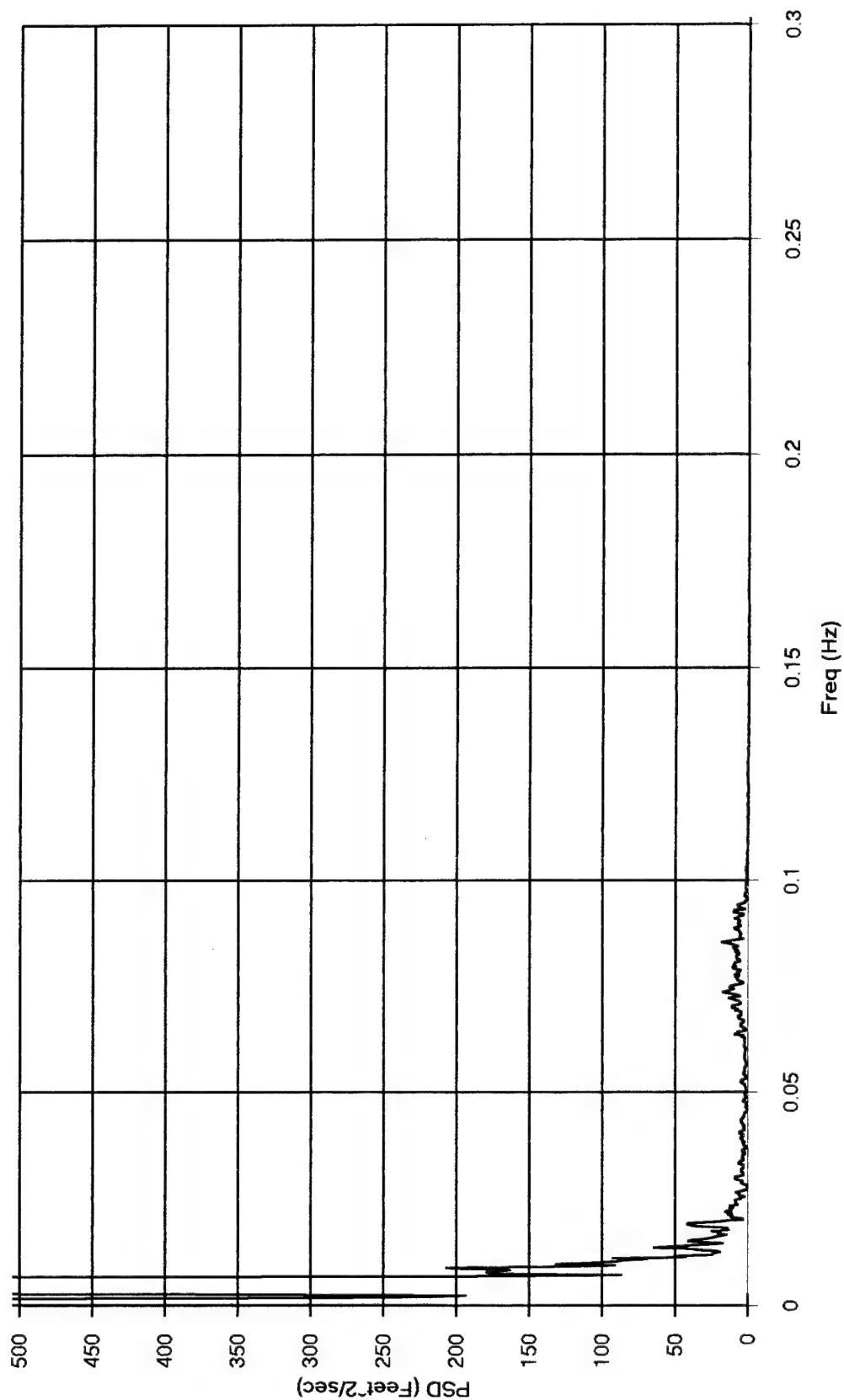
Test A608 - PITCH PSD



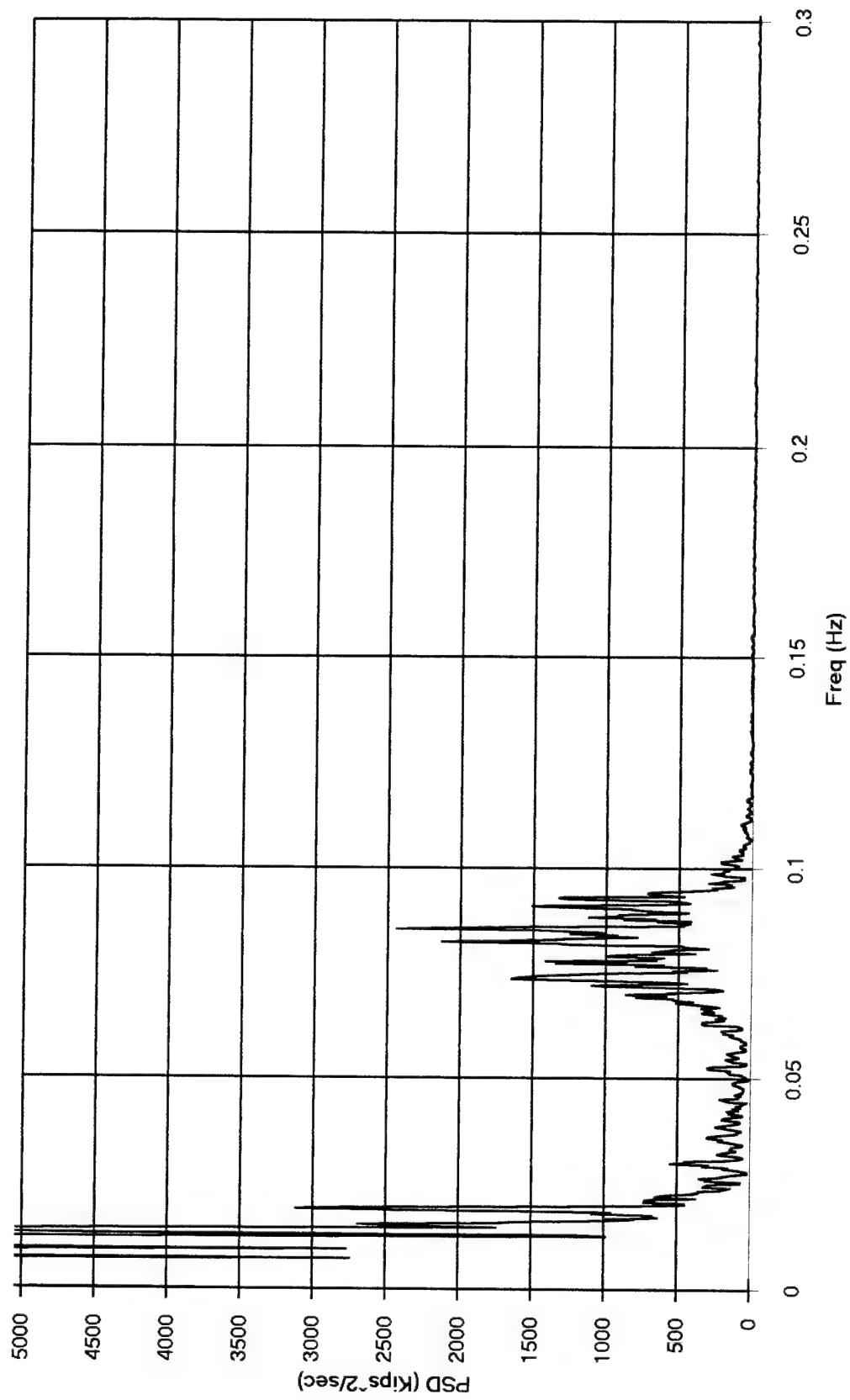
Test A608 - HEAVE PSD



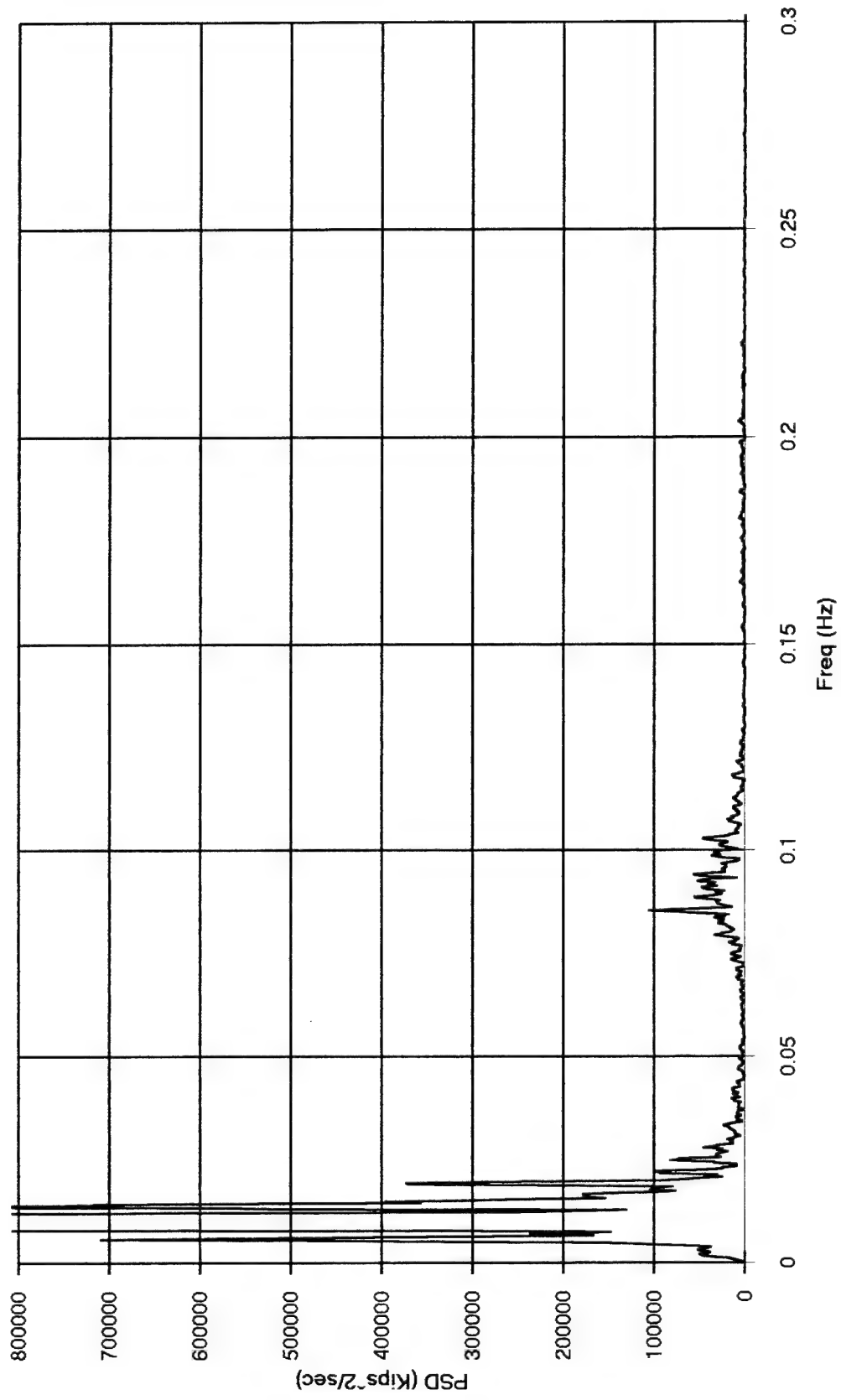
Test A608 - SURGE PSD



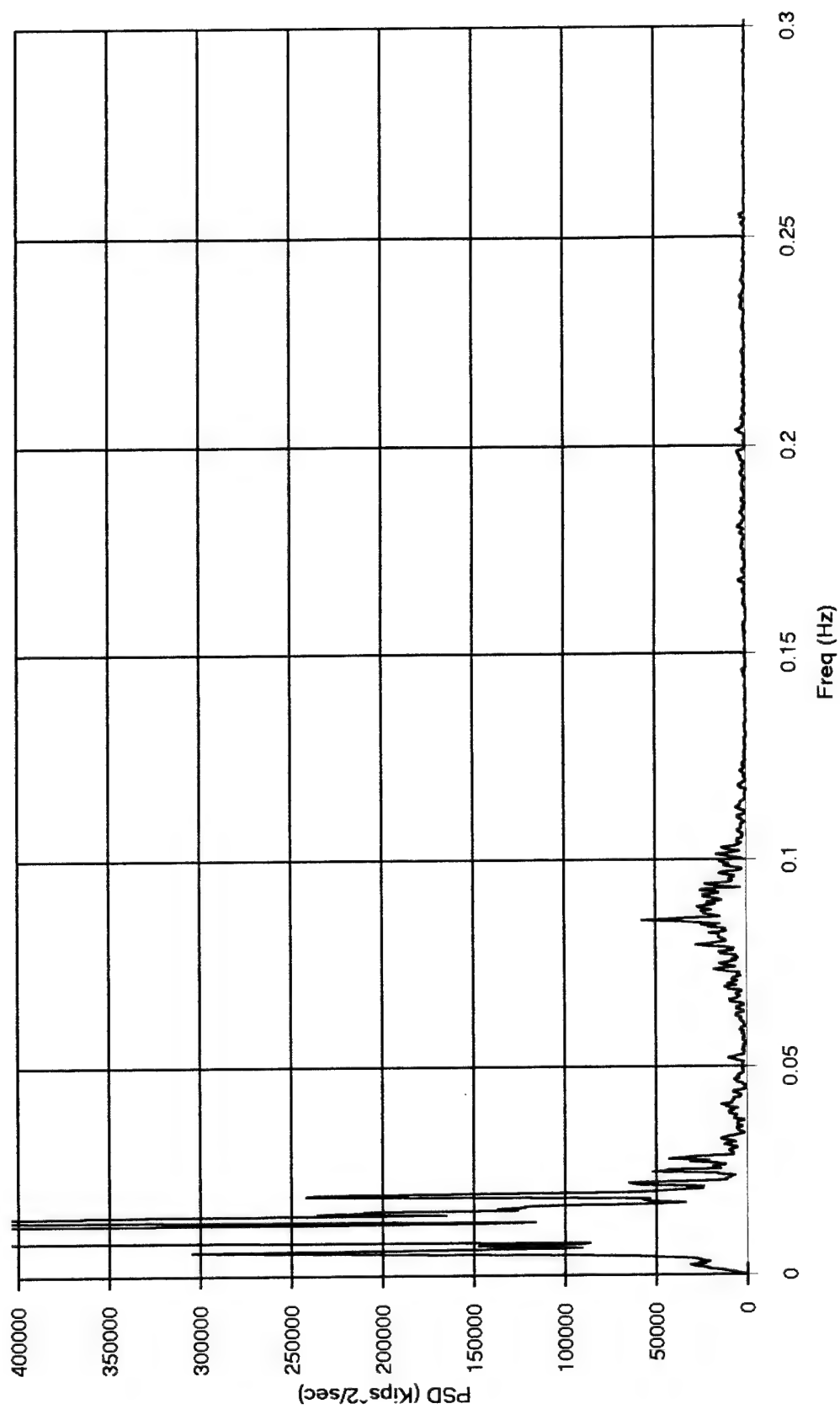
Test A608- ML-1 PSD



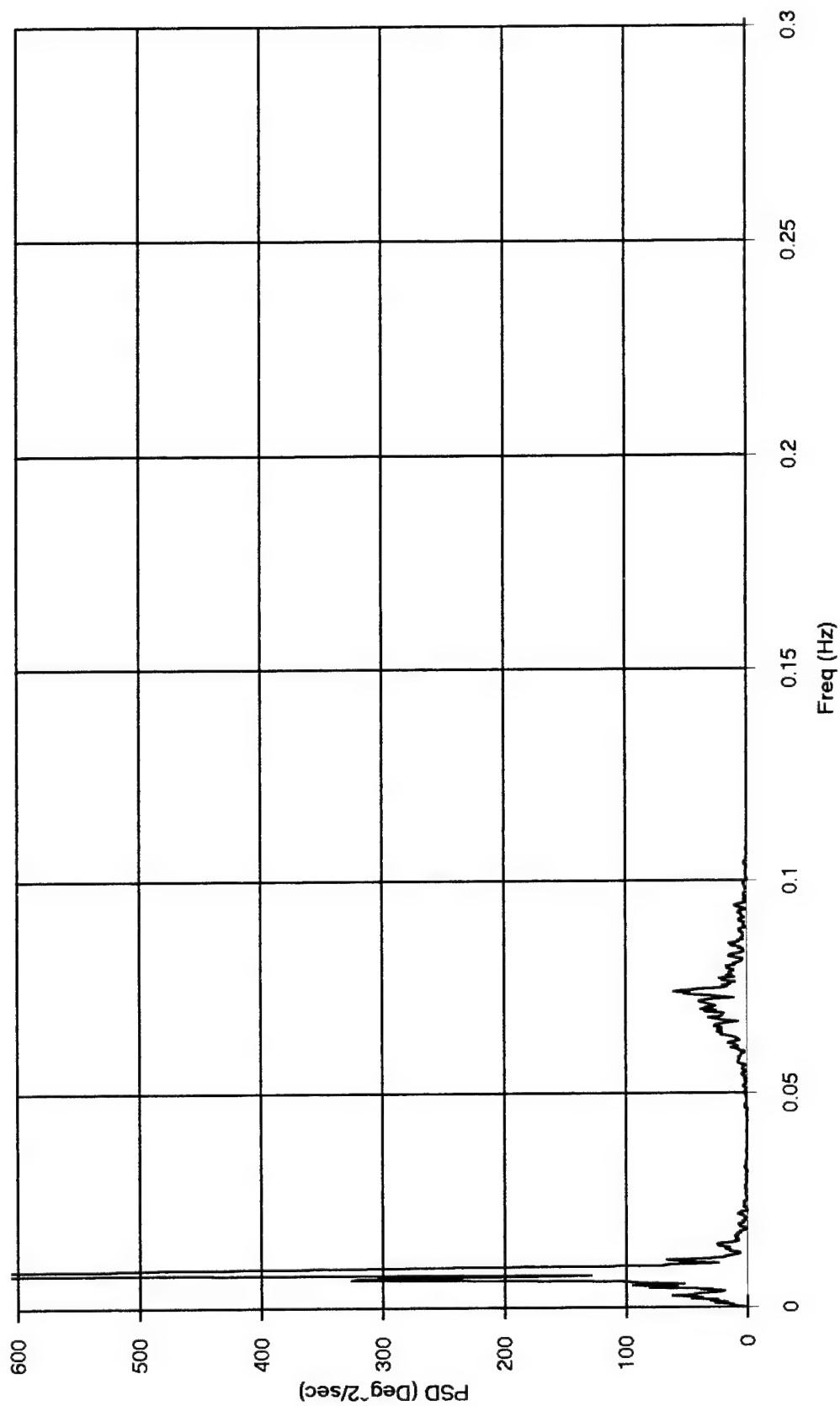
Test A608 - BT-1 PSD



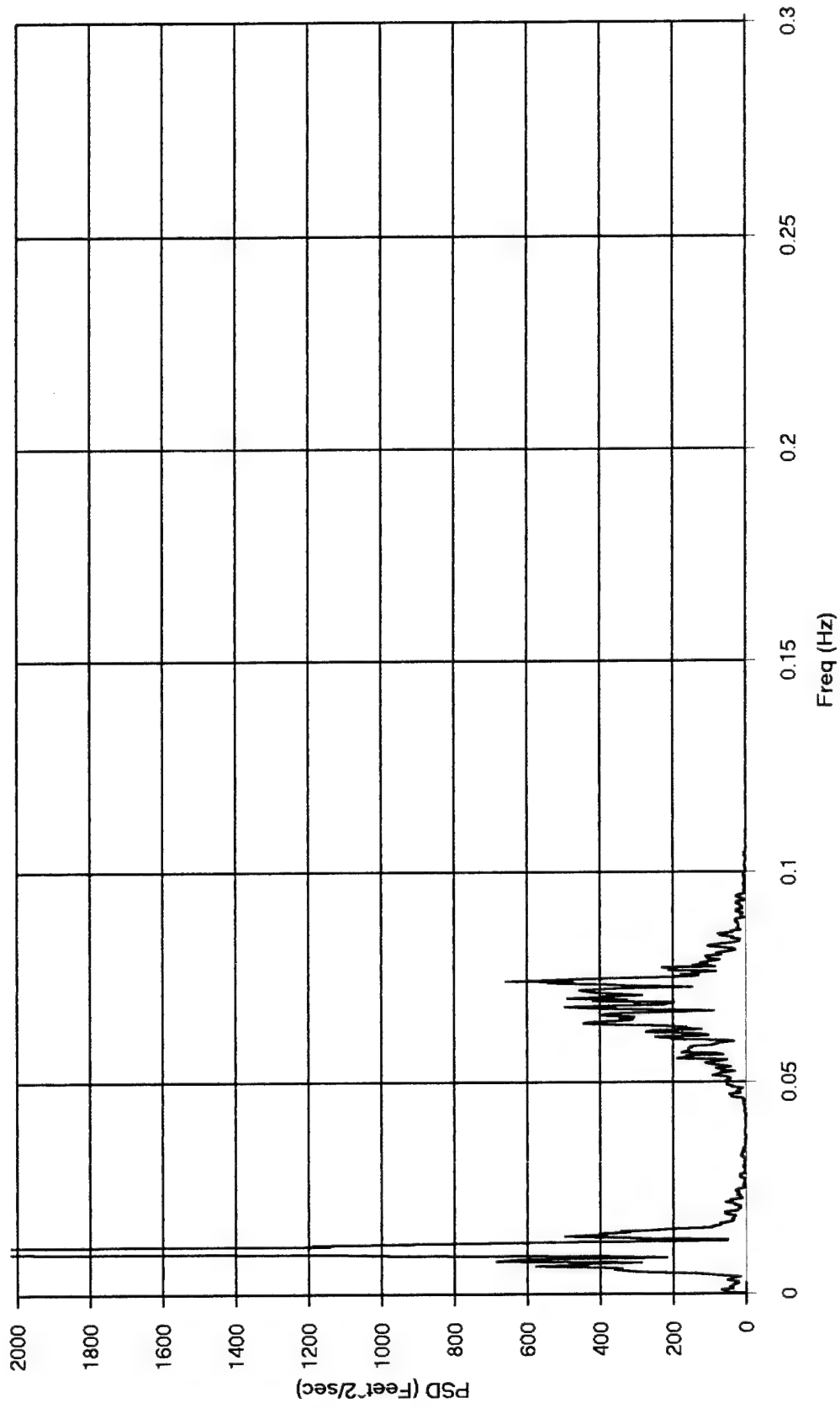
Test A608 - BT-3 PSD



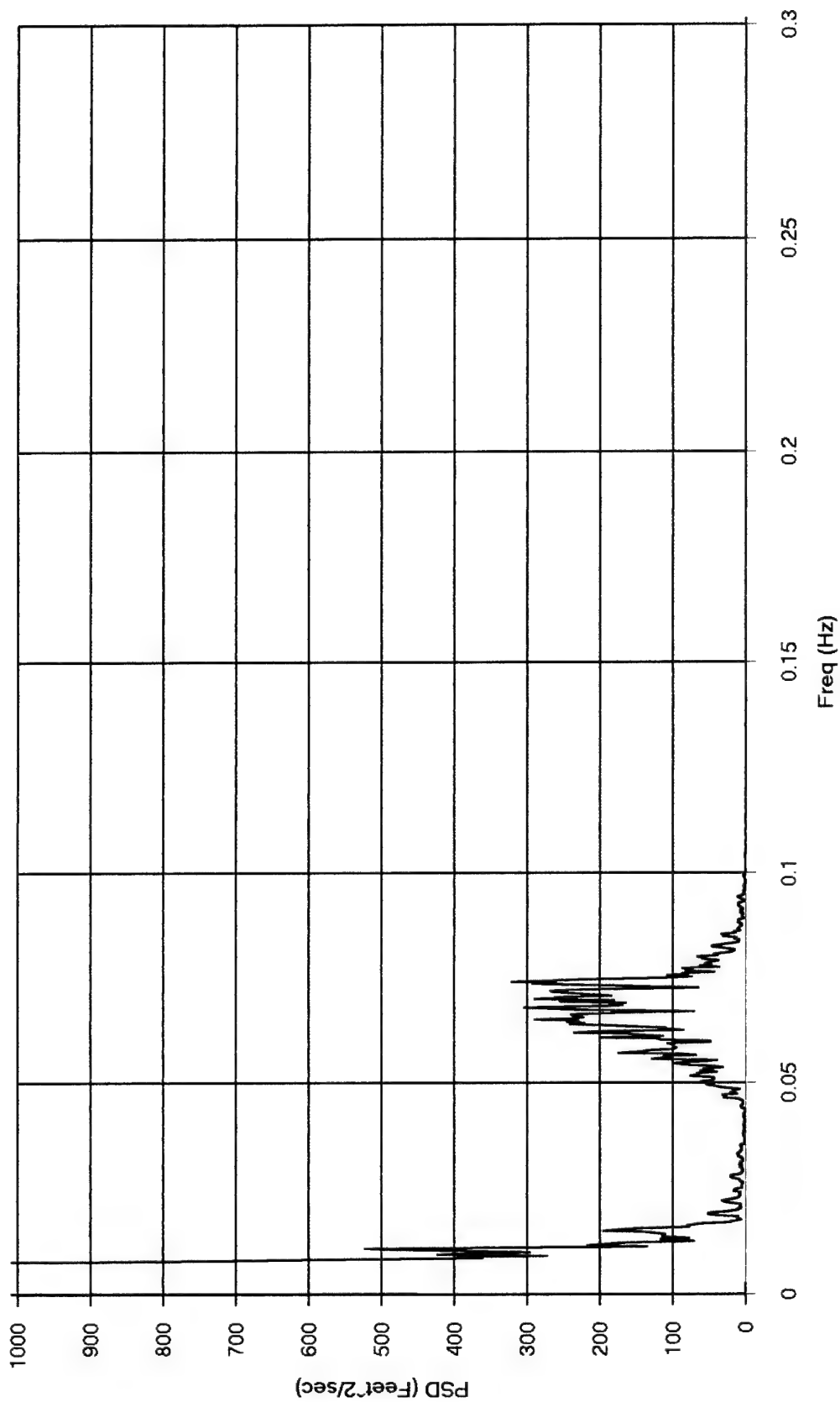
Test A609 - PITCH PSD



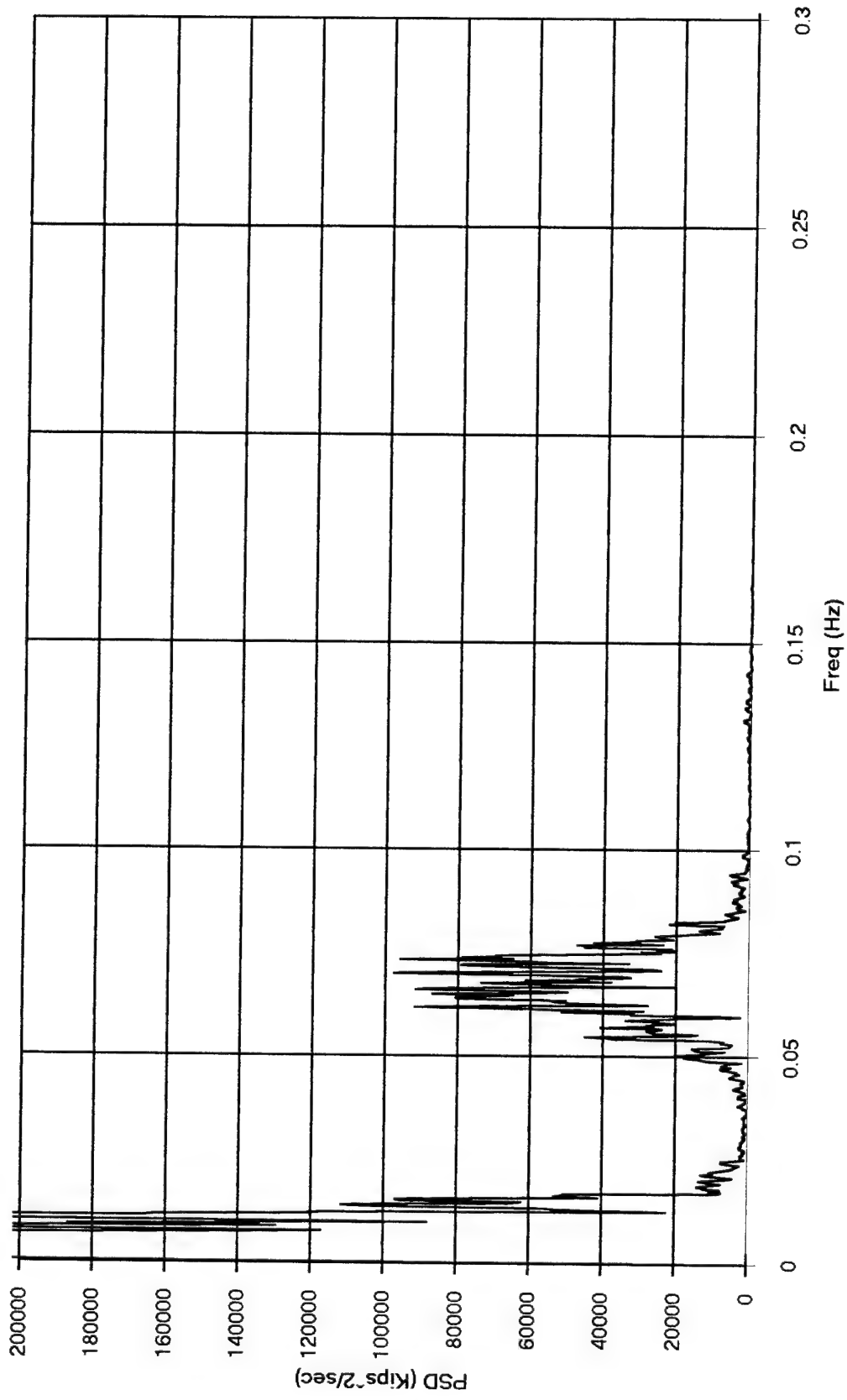
Test A609 - HEAVE PSD



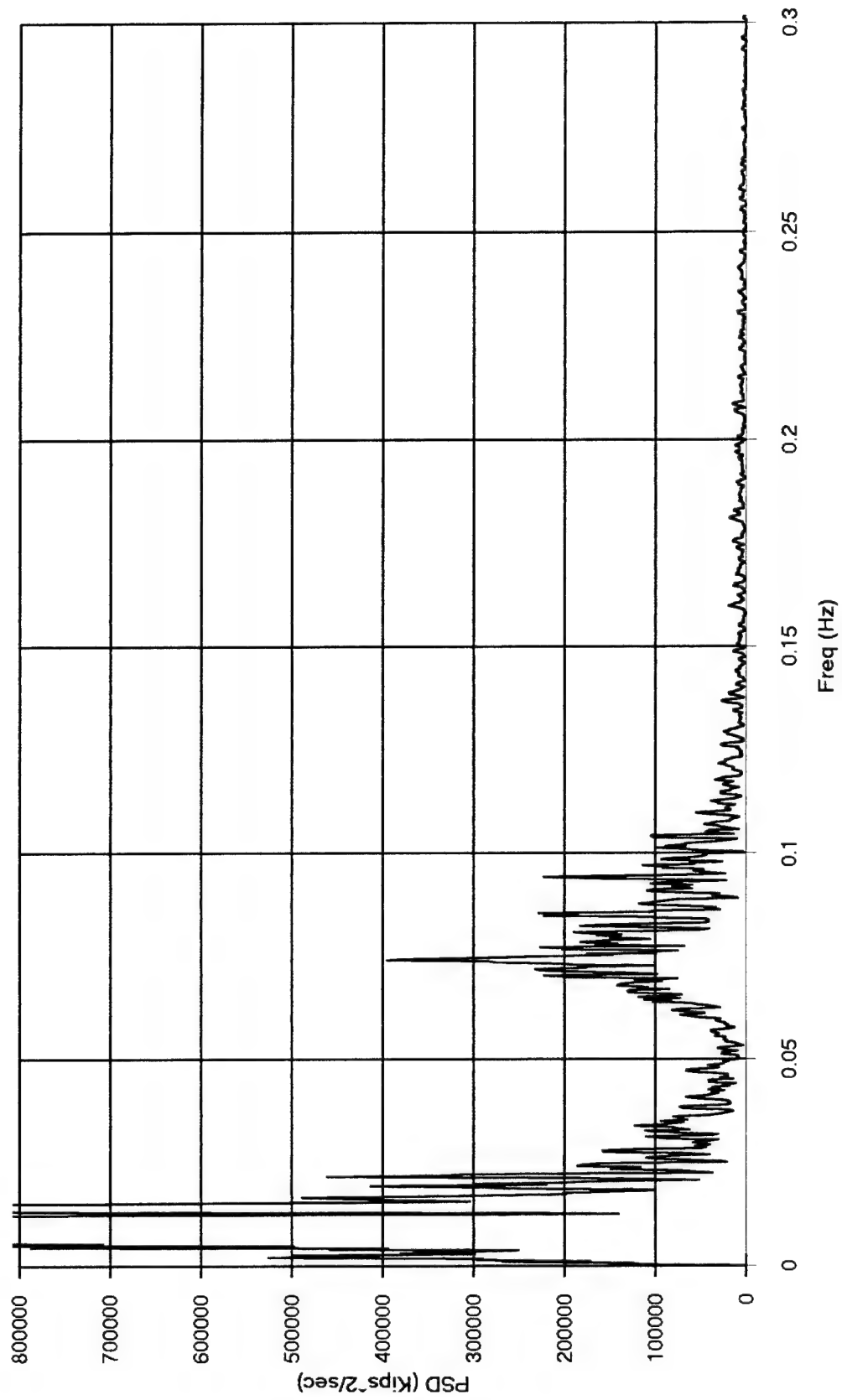
Test A609 - SURGE PSD



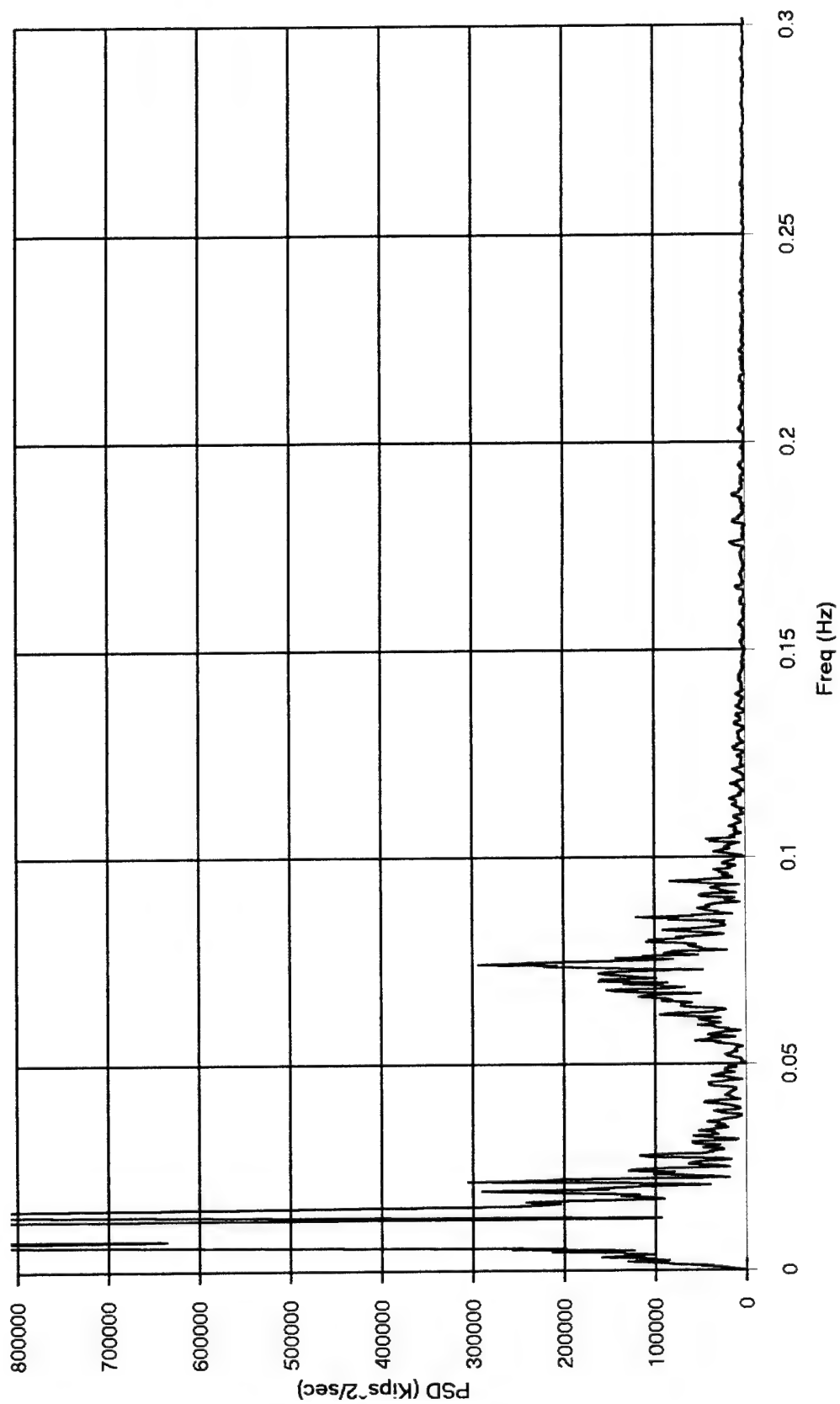
Test A609 - ML-1 PSD



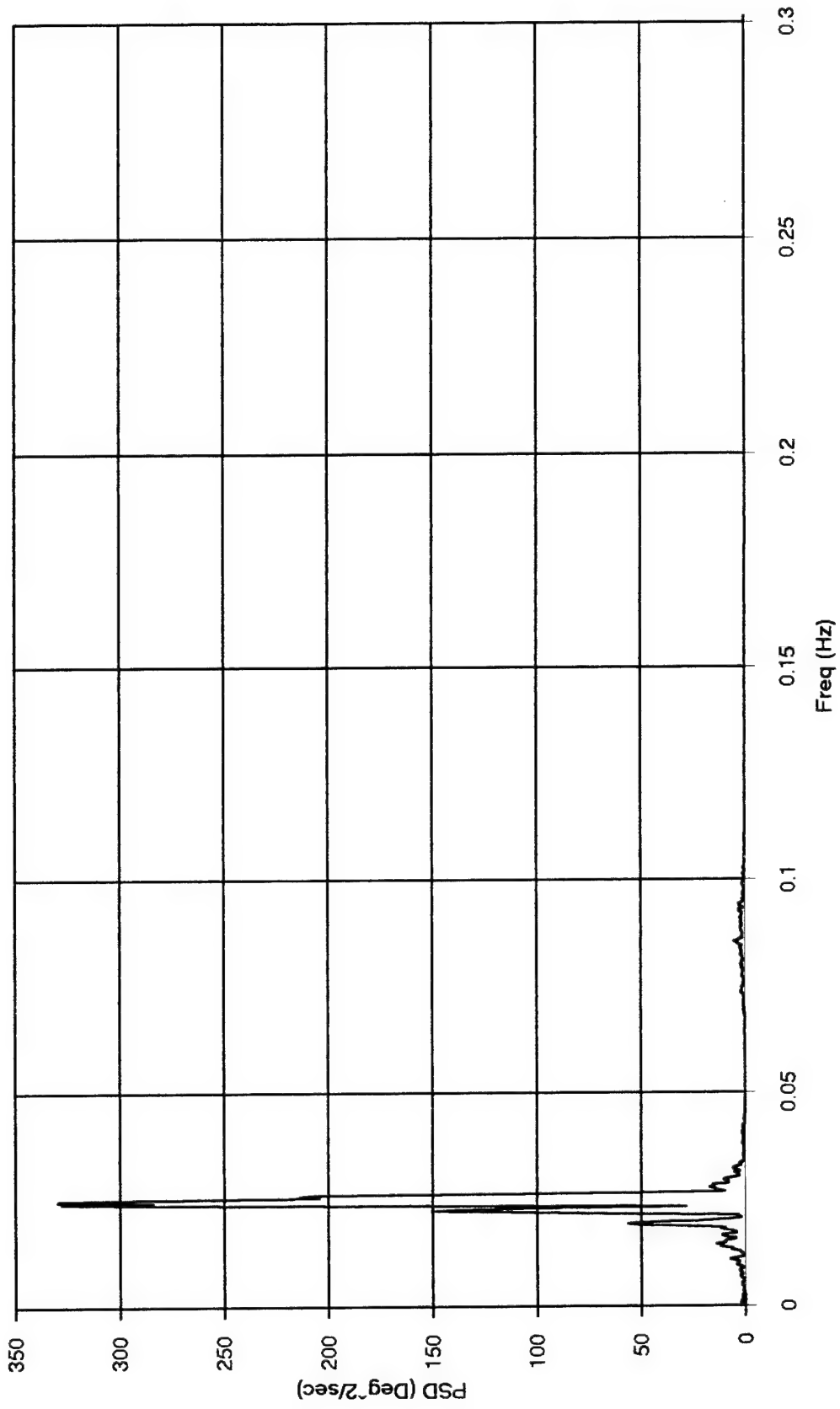
Test A609 - BT-1 PSD



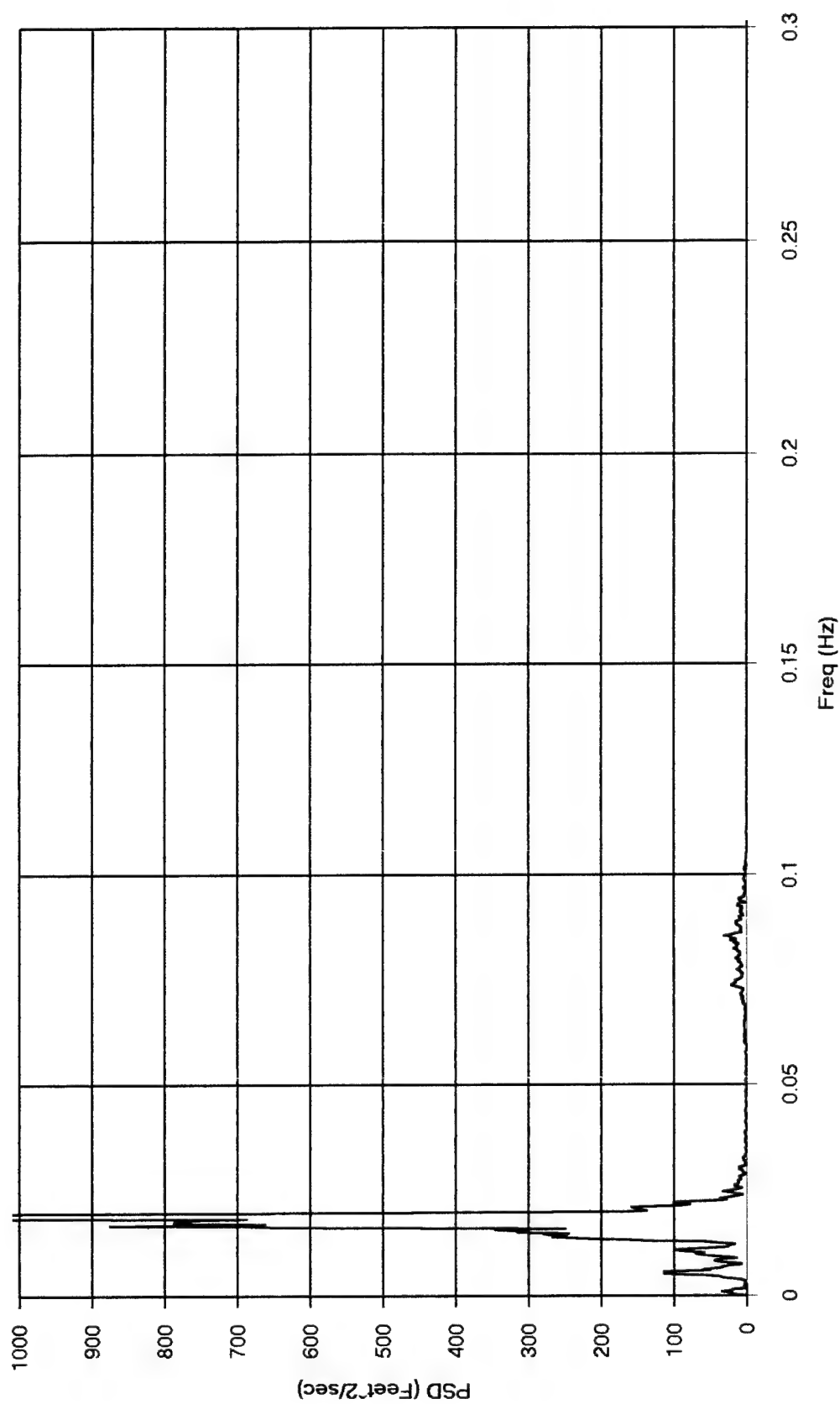
Test A609 - BT-3 PSD



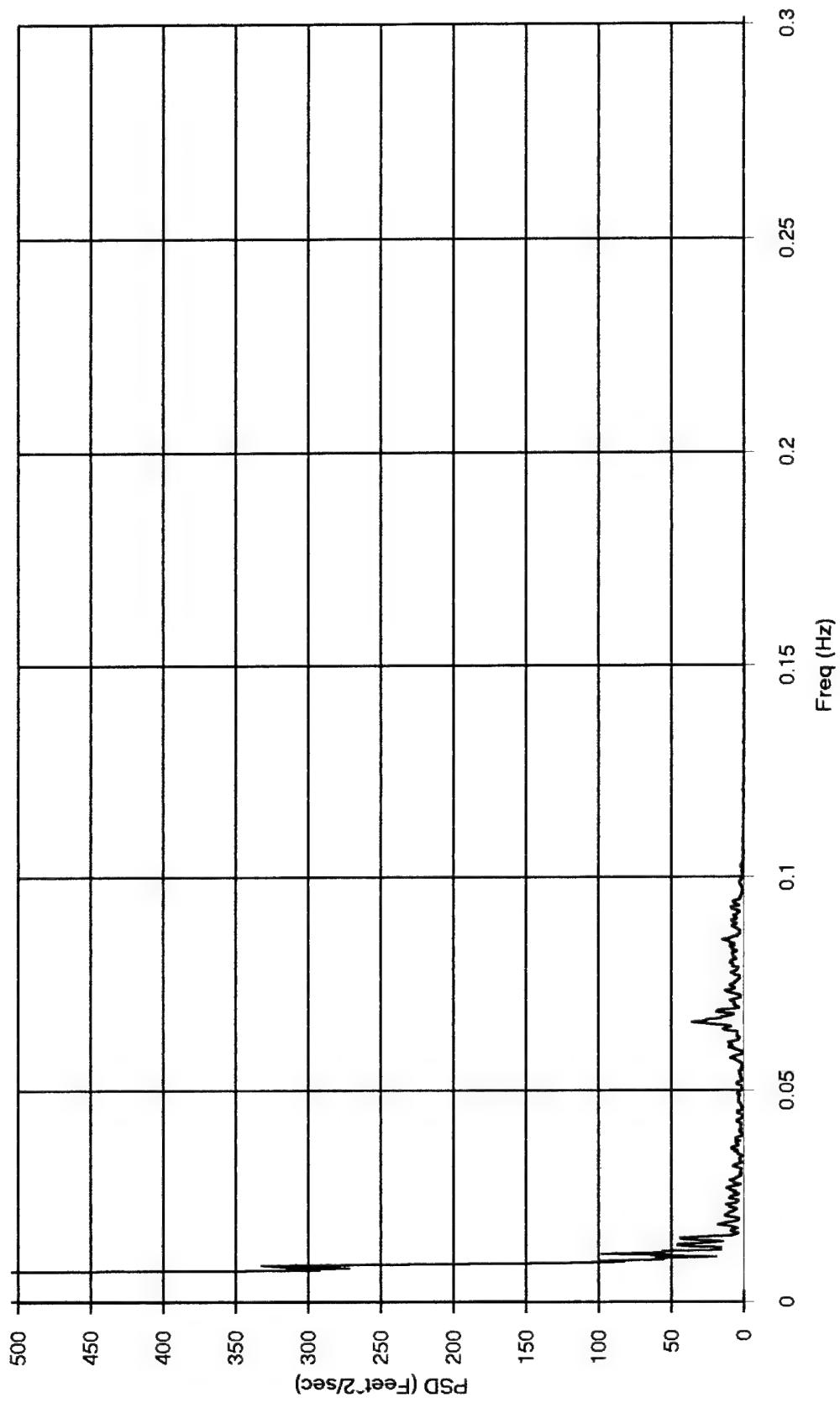
Test A708 - PITCH PSD



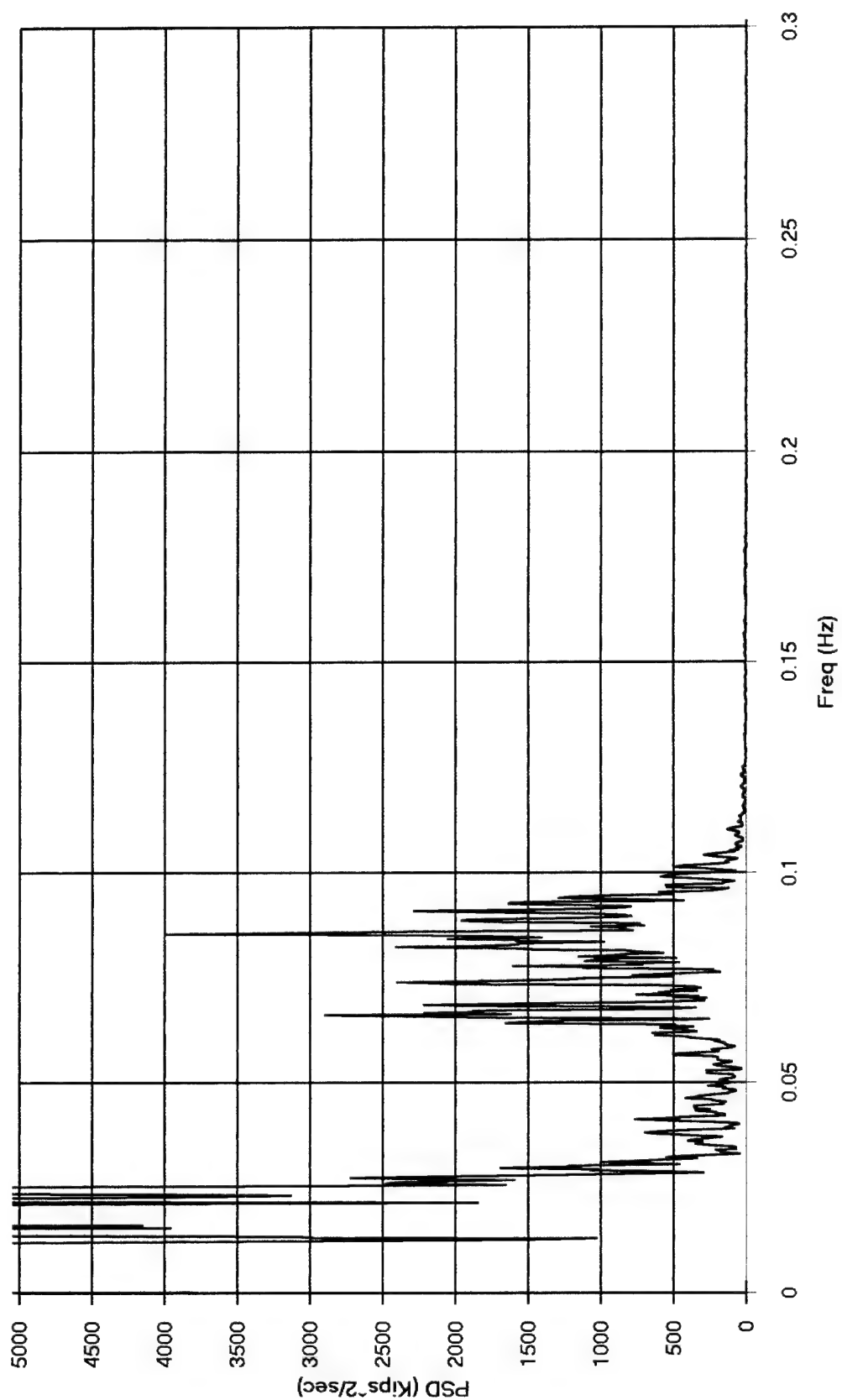
Test A708 - HEAVE PSD



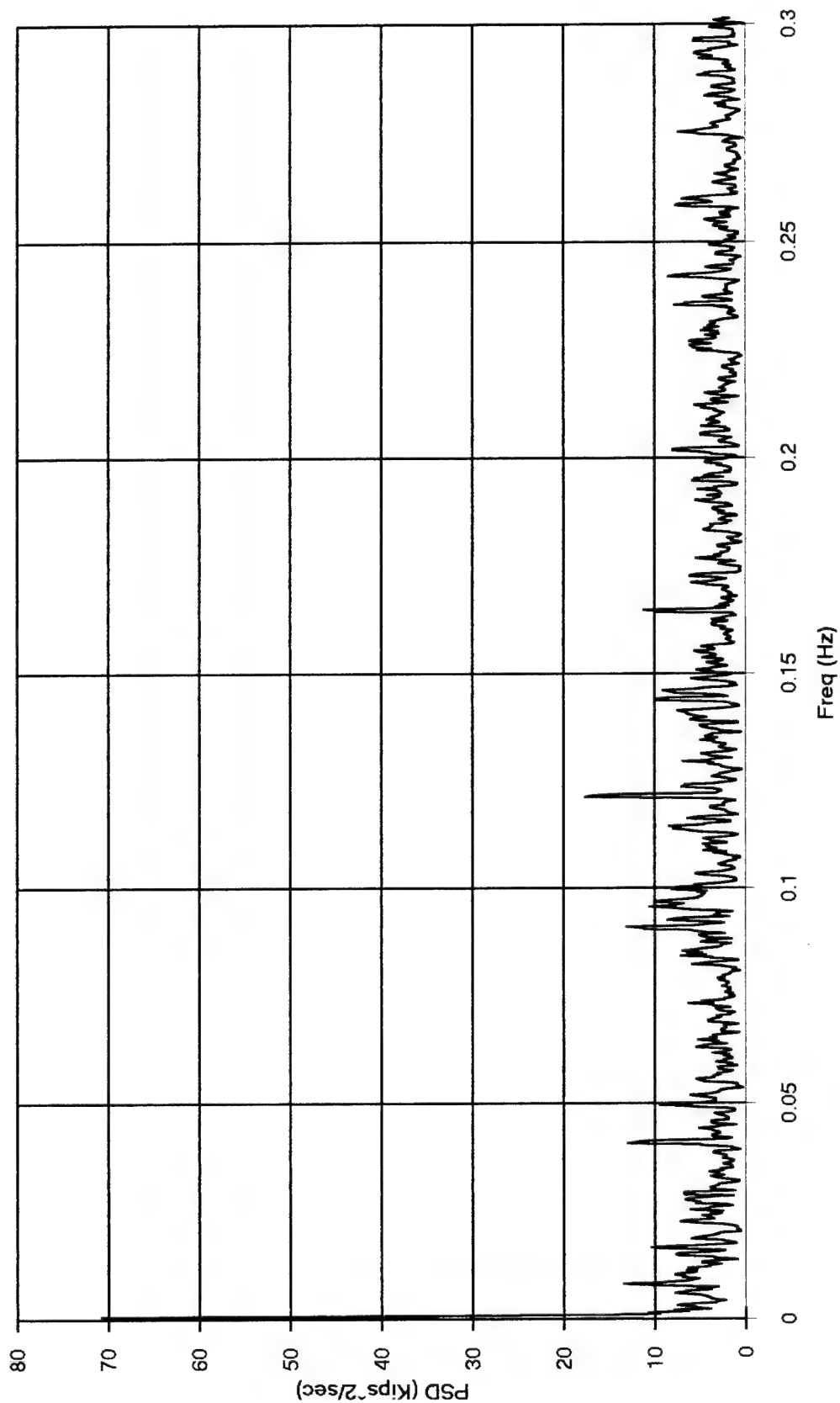
Test A708 - SURGE PSD



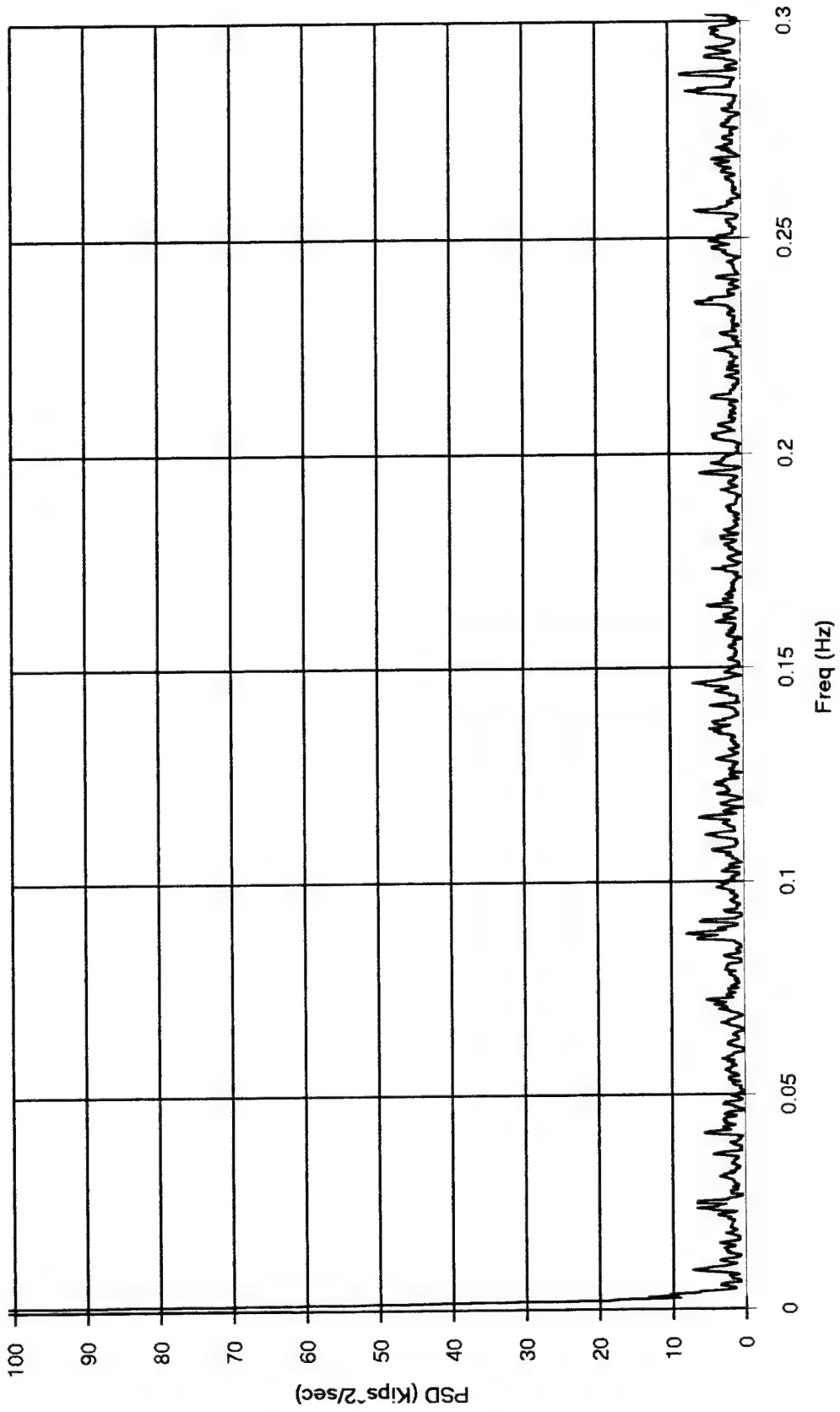
Test A708 - ML-1 PSD



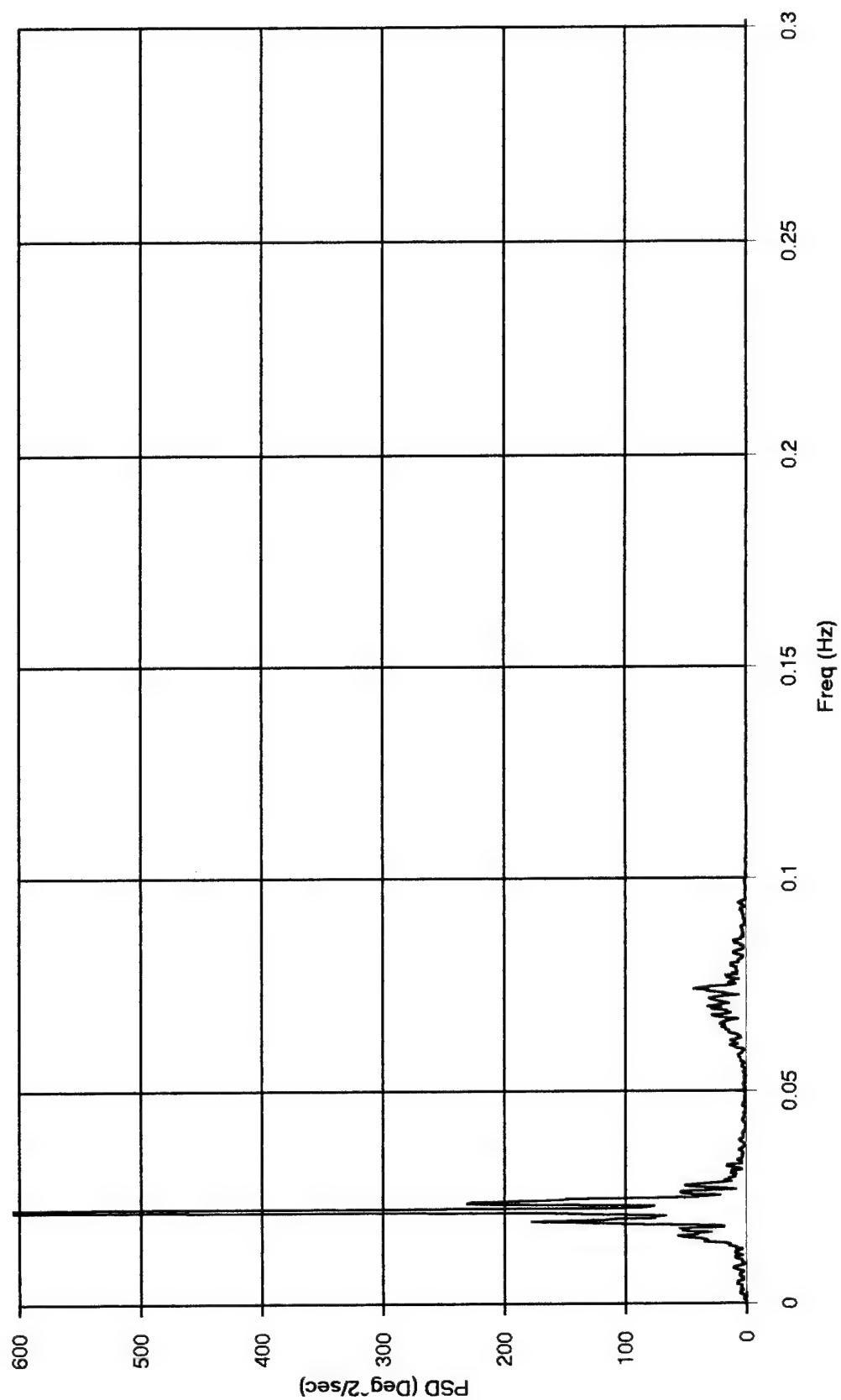
Test A708 - BT-1 PSD



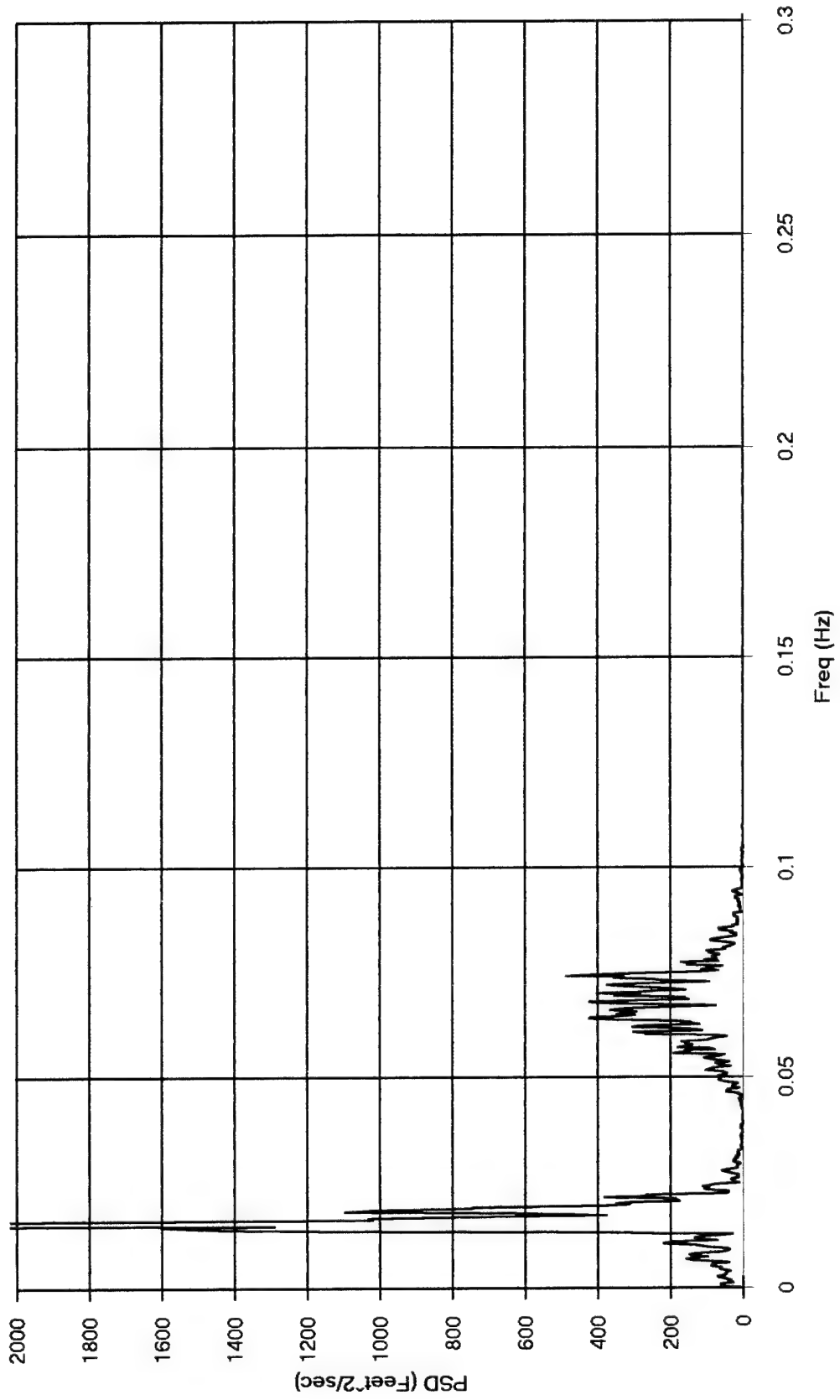
Test A708 - BT-3 PSD



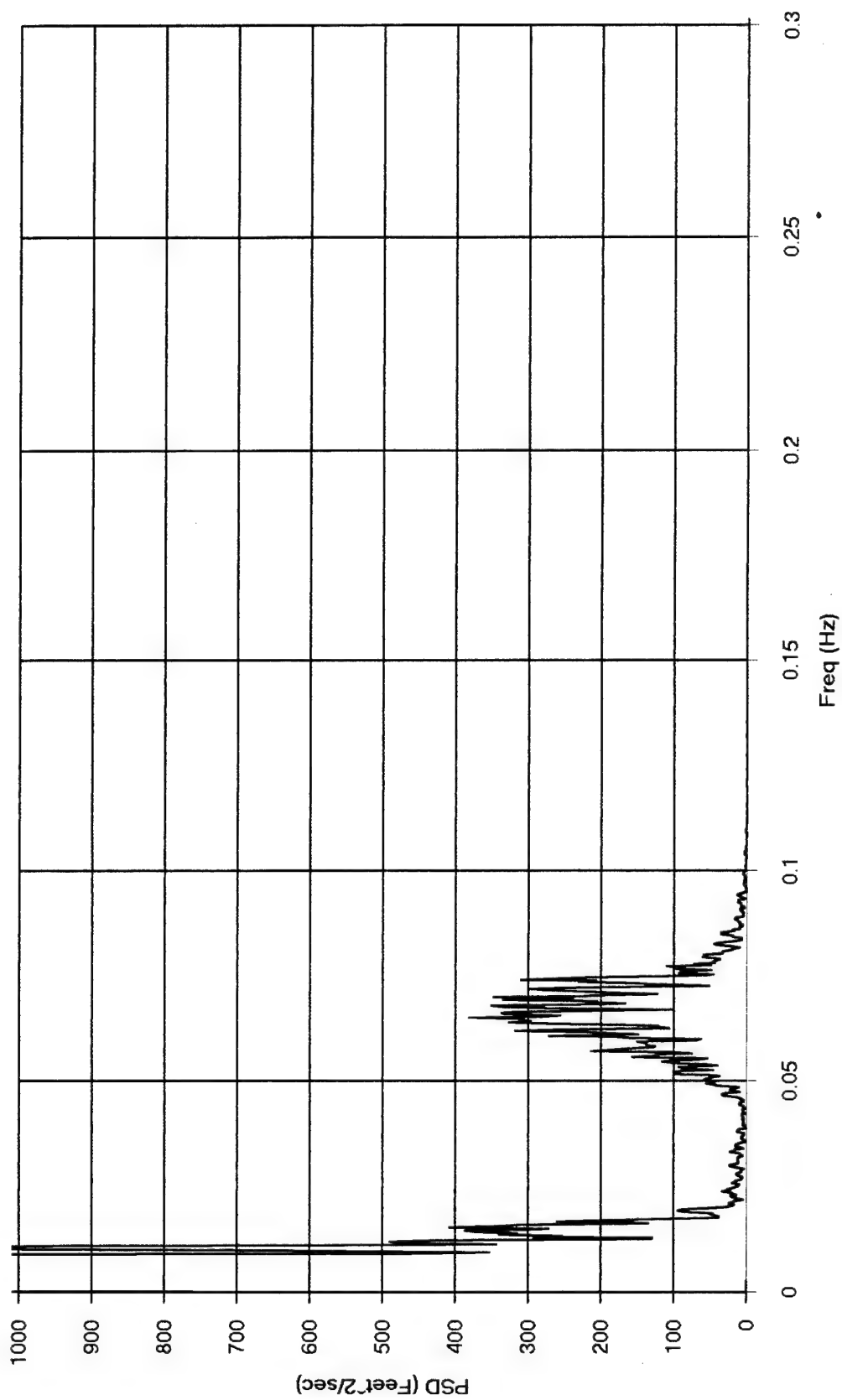
Test A709- PITCH PSD



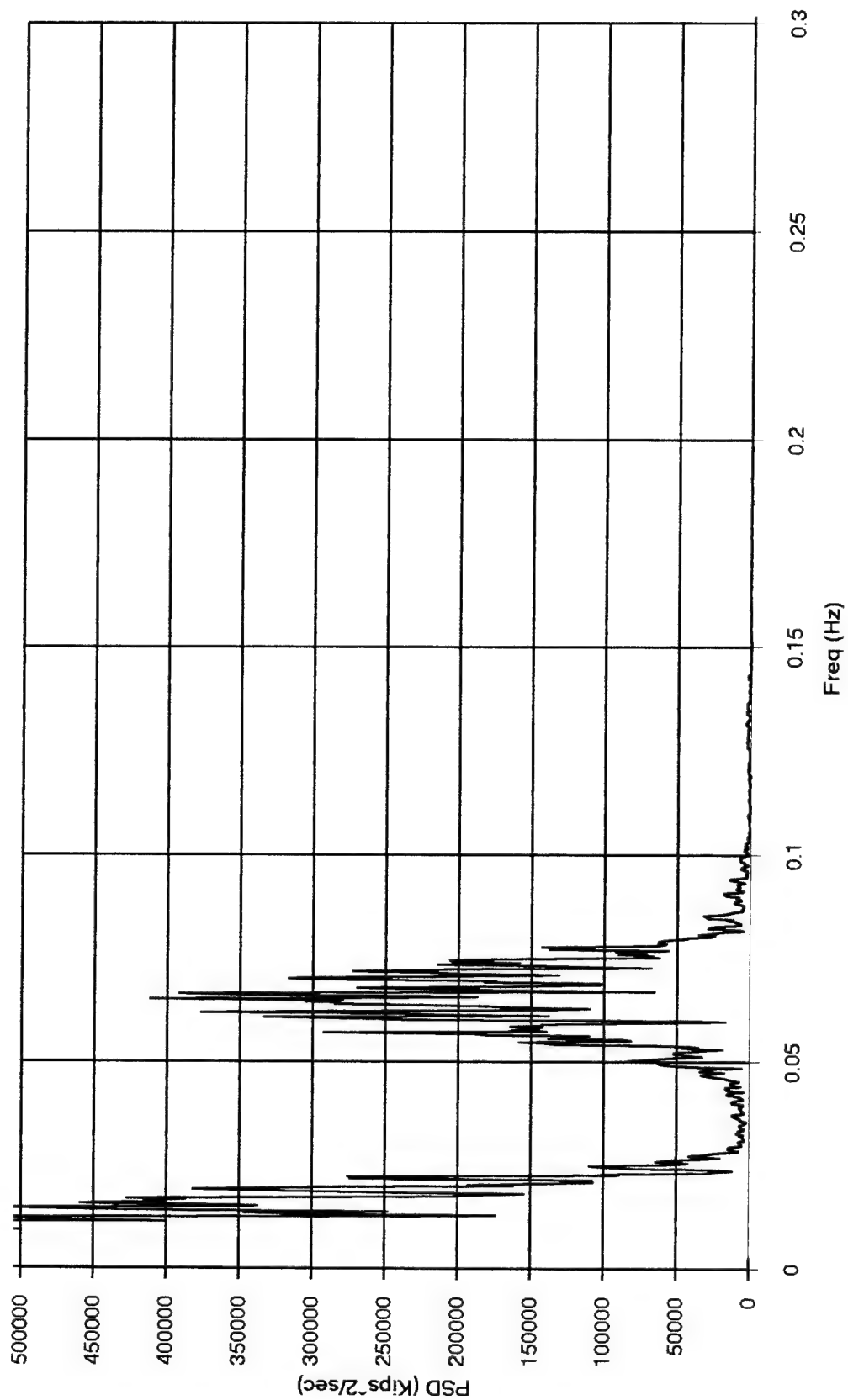
Test A709 - HEAVE PSD



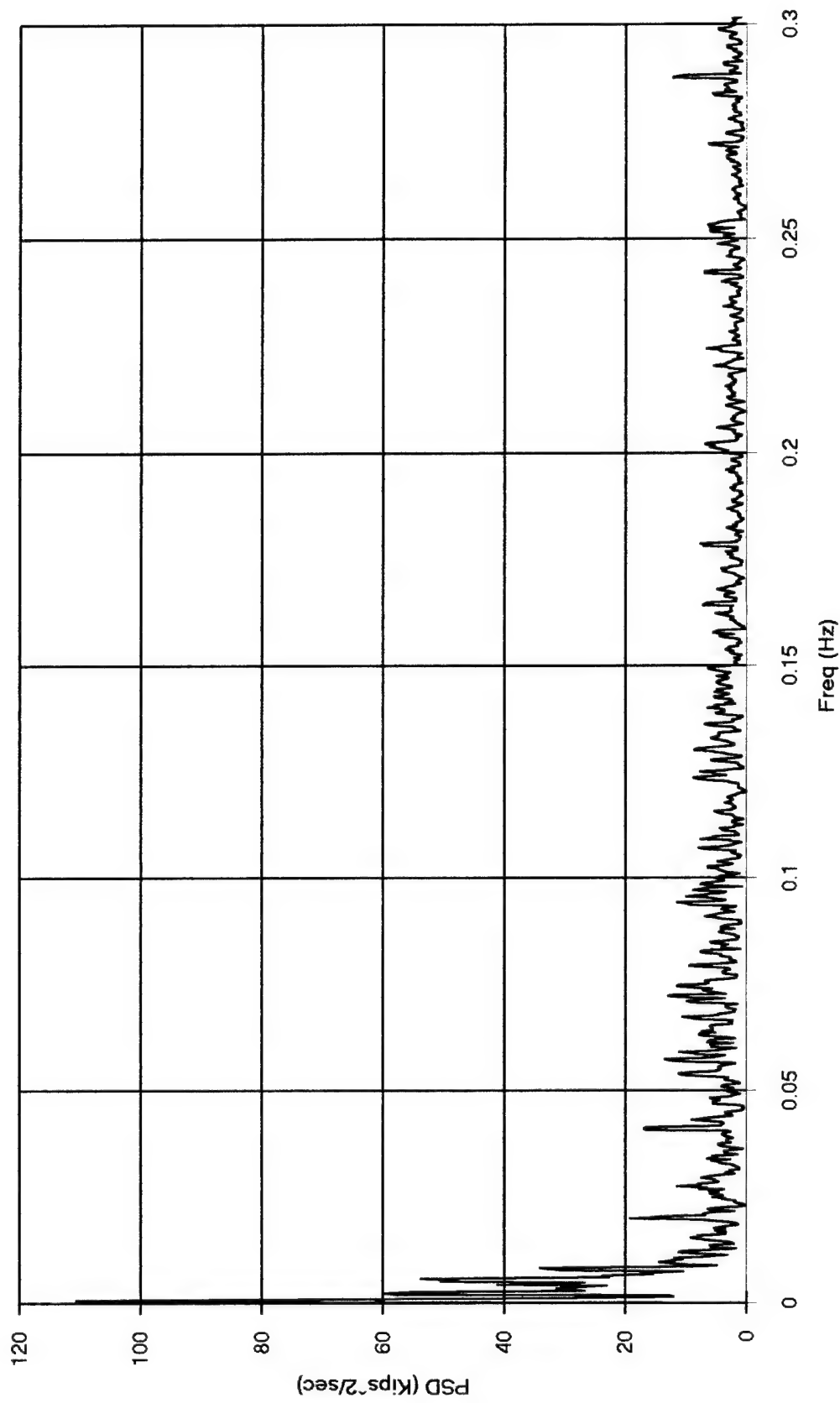
Test A709 - SURGE PSD



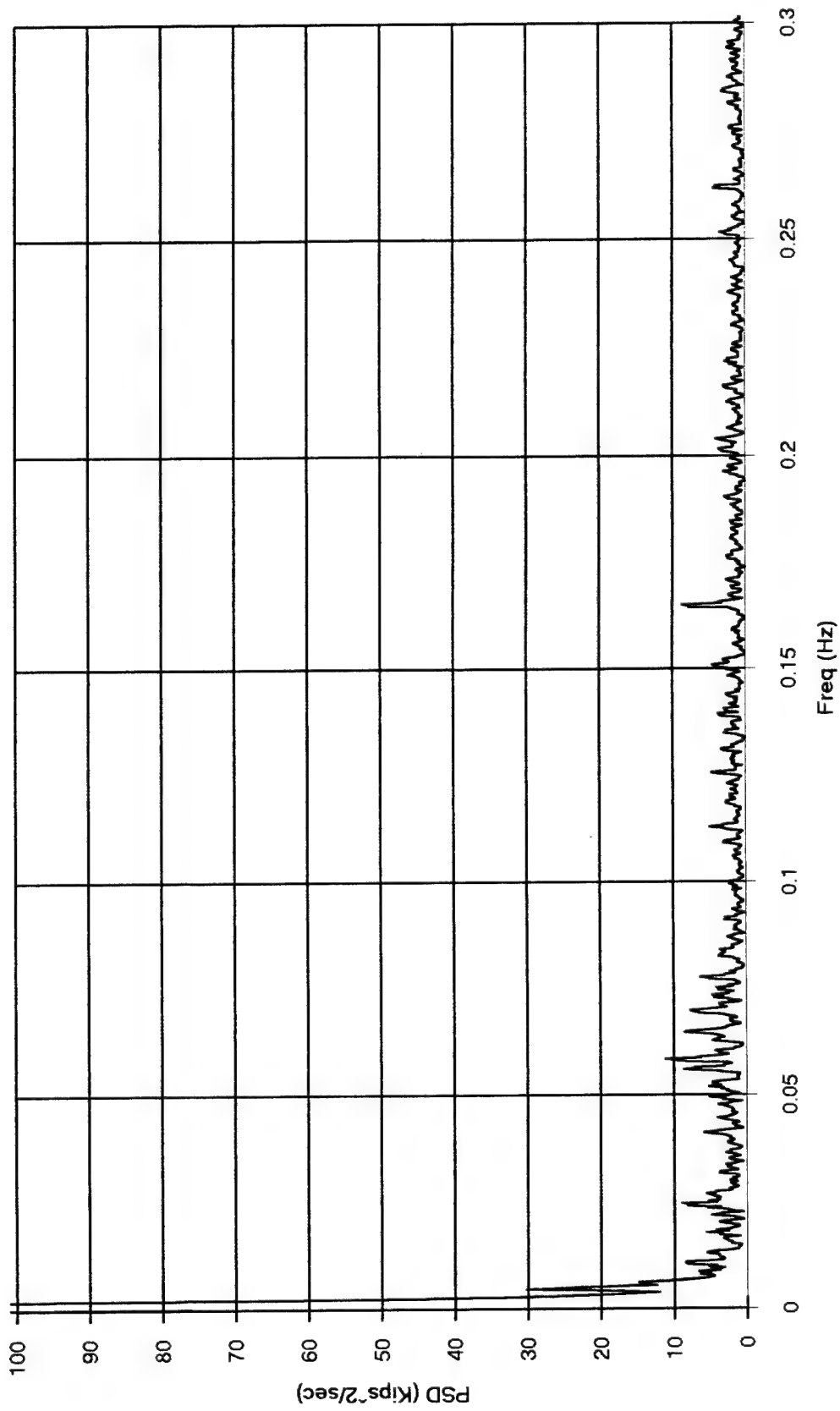
Test A709 - ML-1 PSD



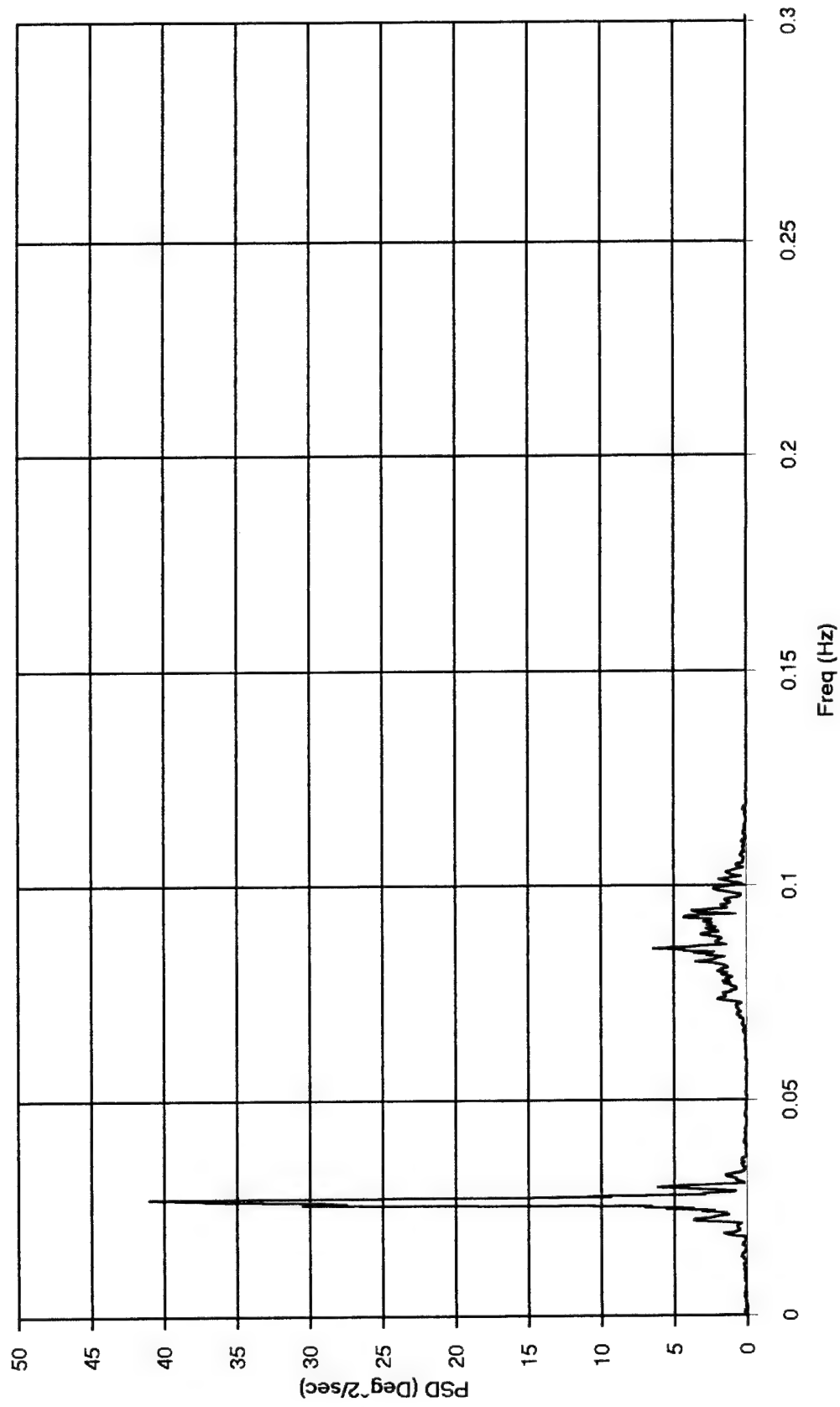
Test A709 - BT-1 PSD



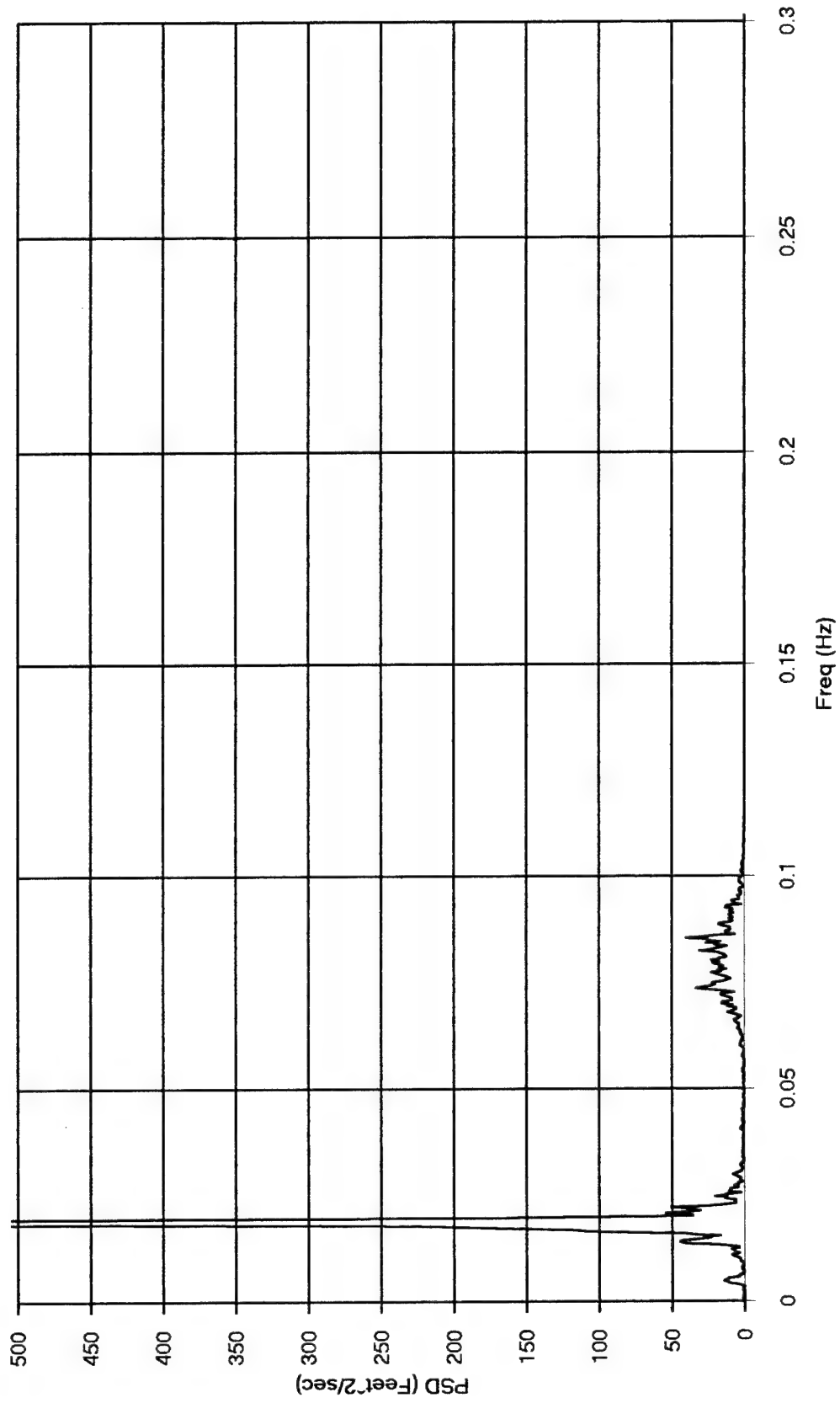
Test A709 - BT-3 PSD



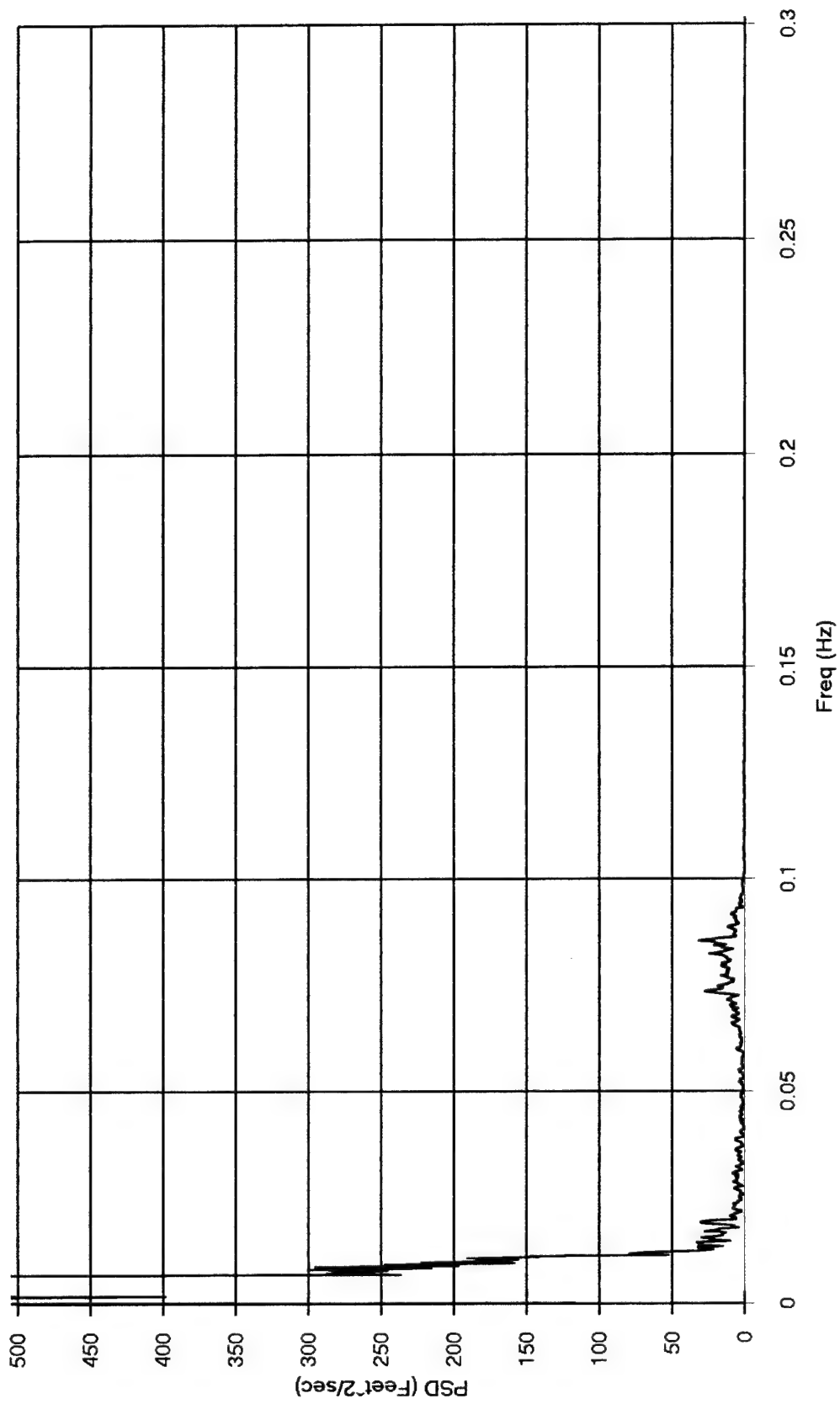
Test A808 - PITCH PSD



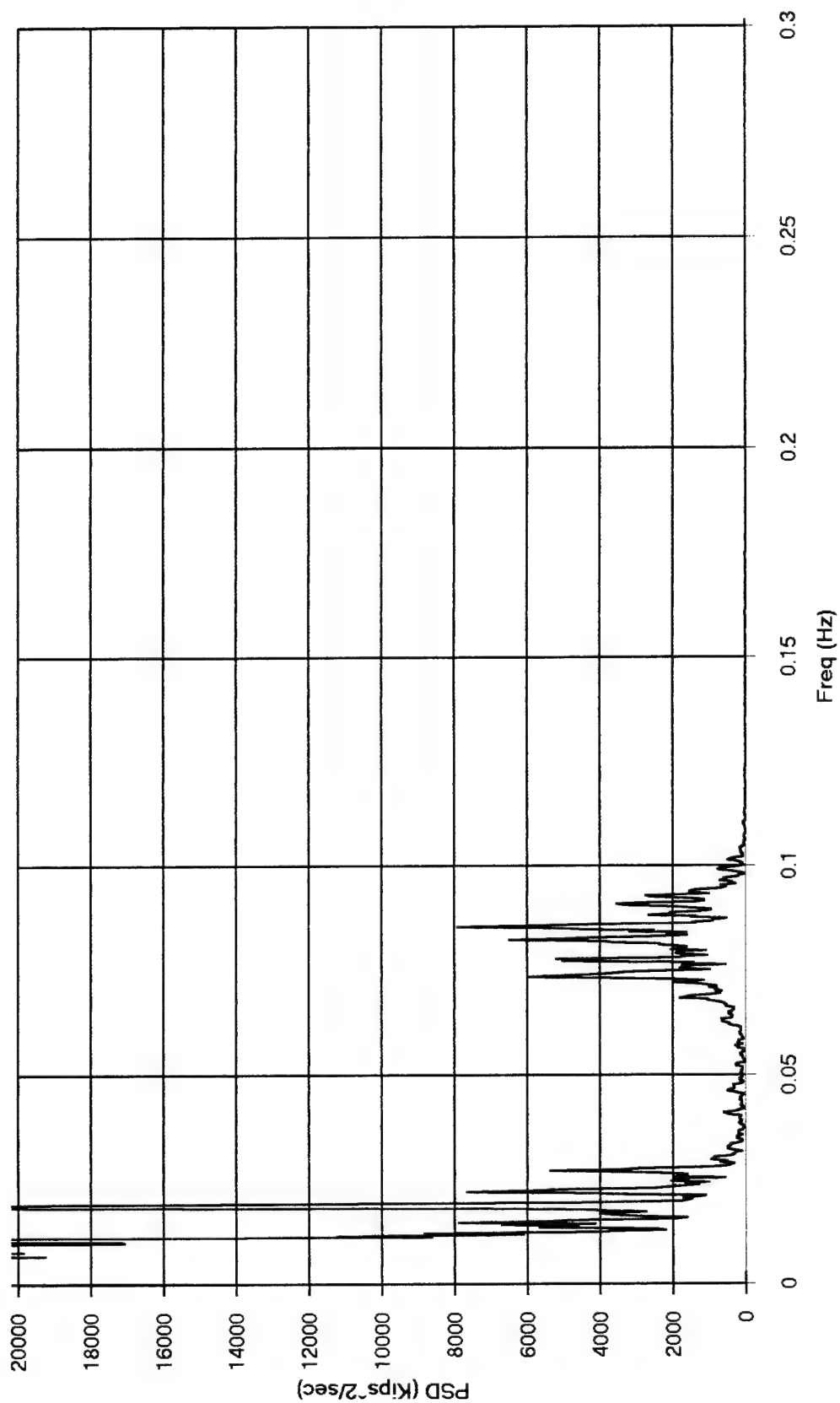
Test A808 - HEAVE PSD



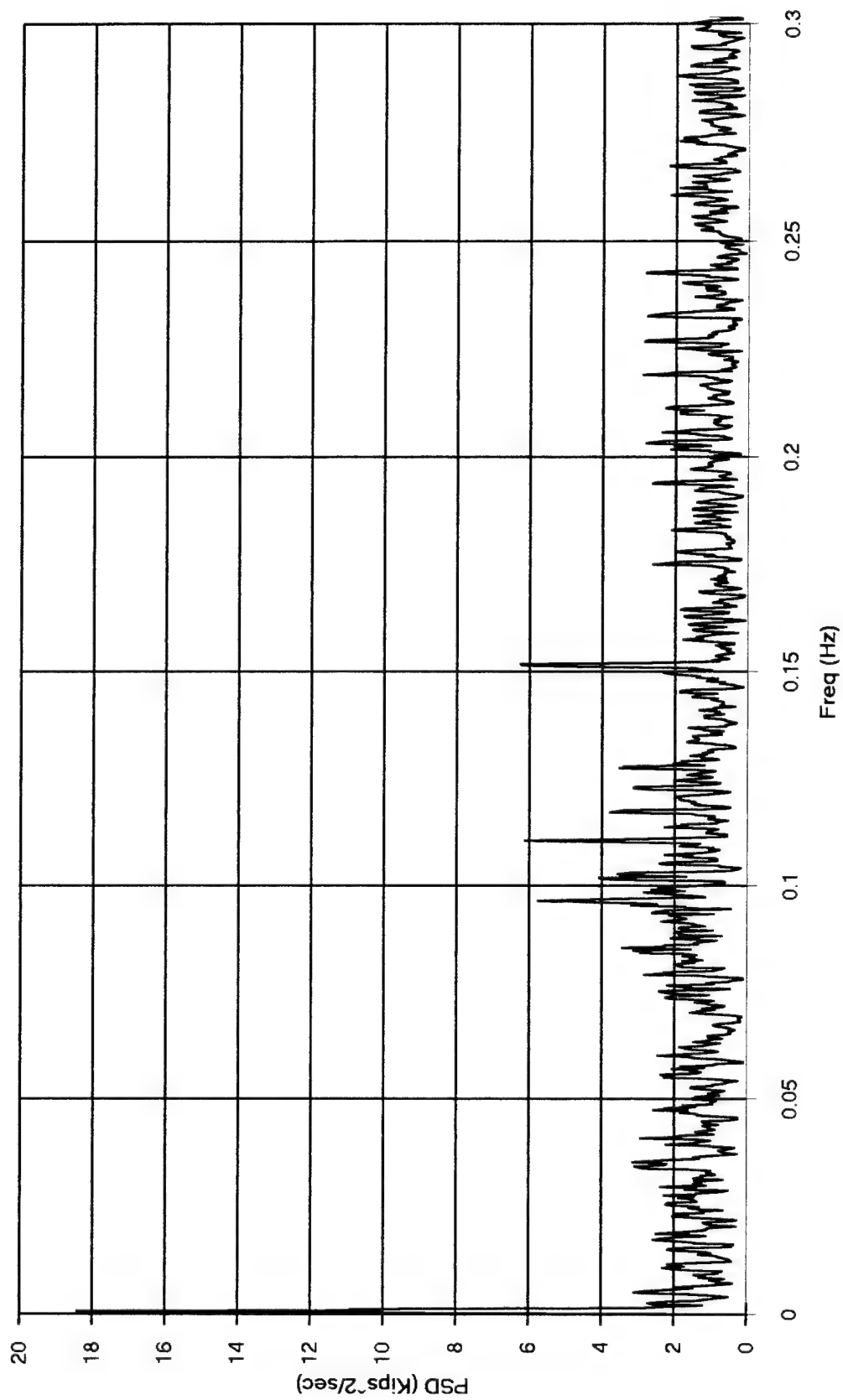
Test A808 - SURGE PSD



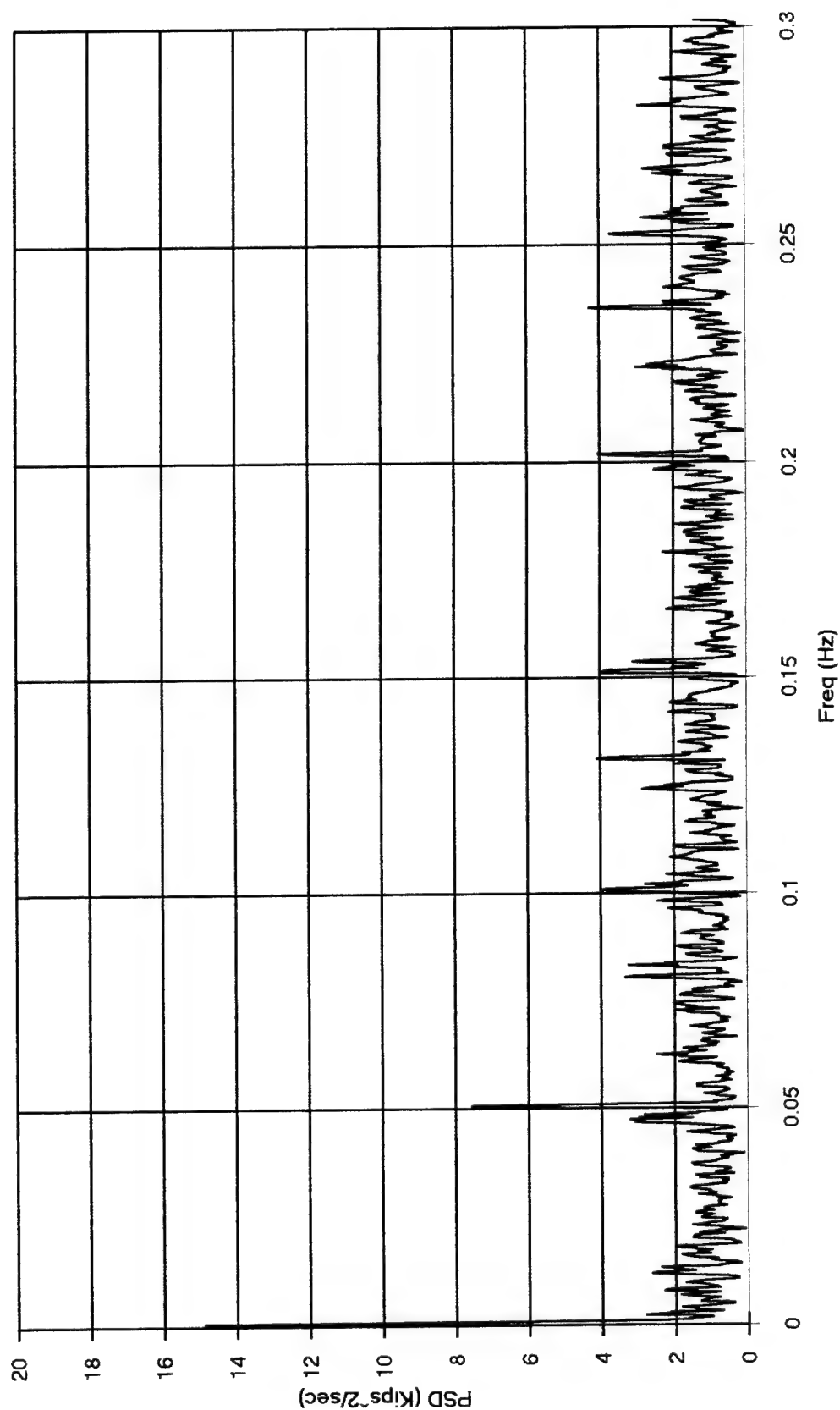
Test A808 - ML-1 PSD



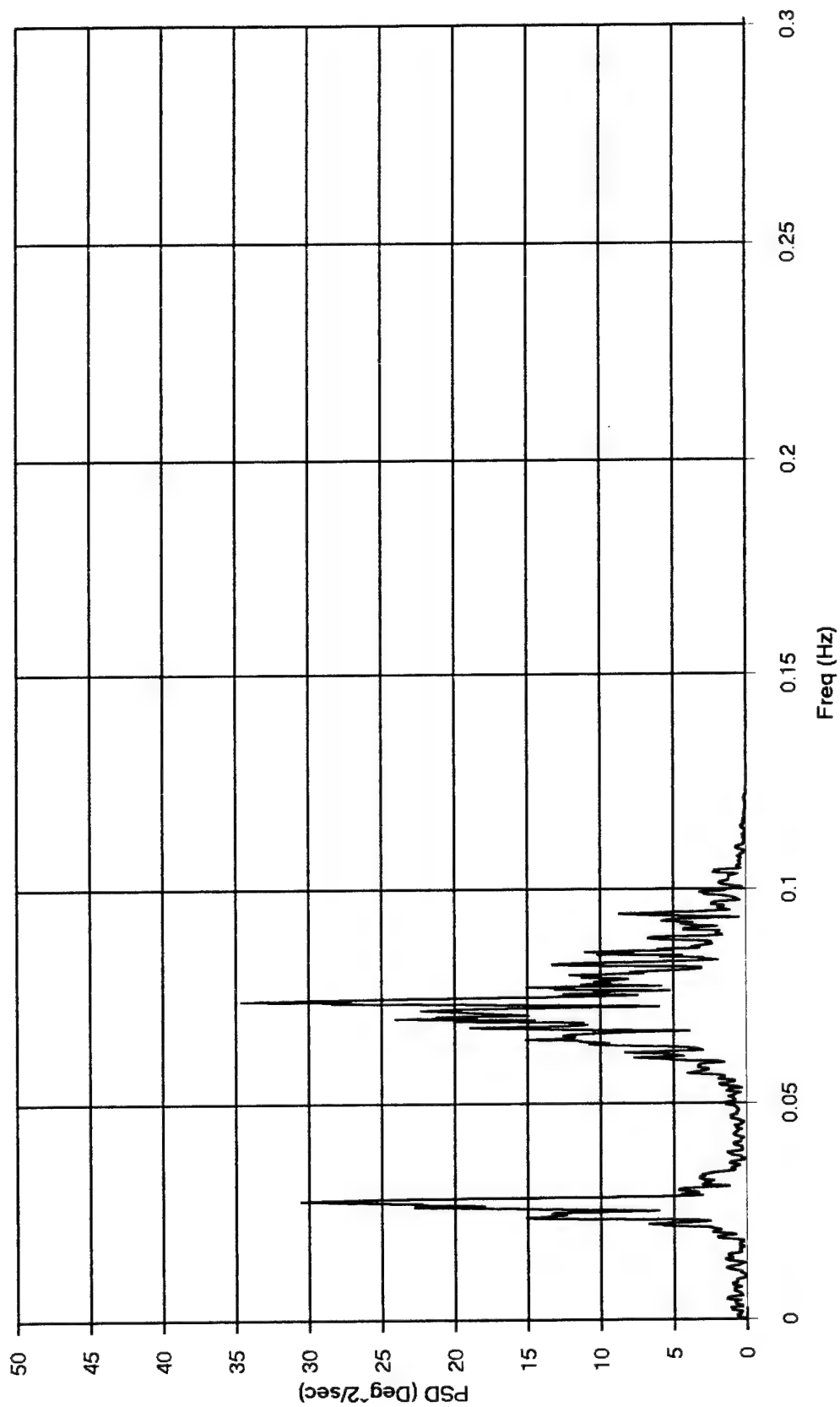
Test A808 - BT-1 PSD



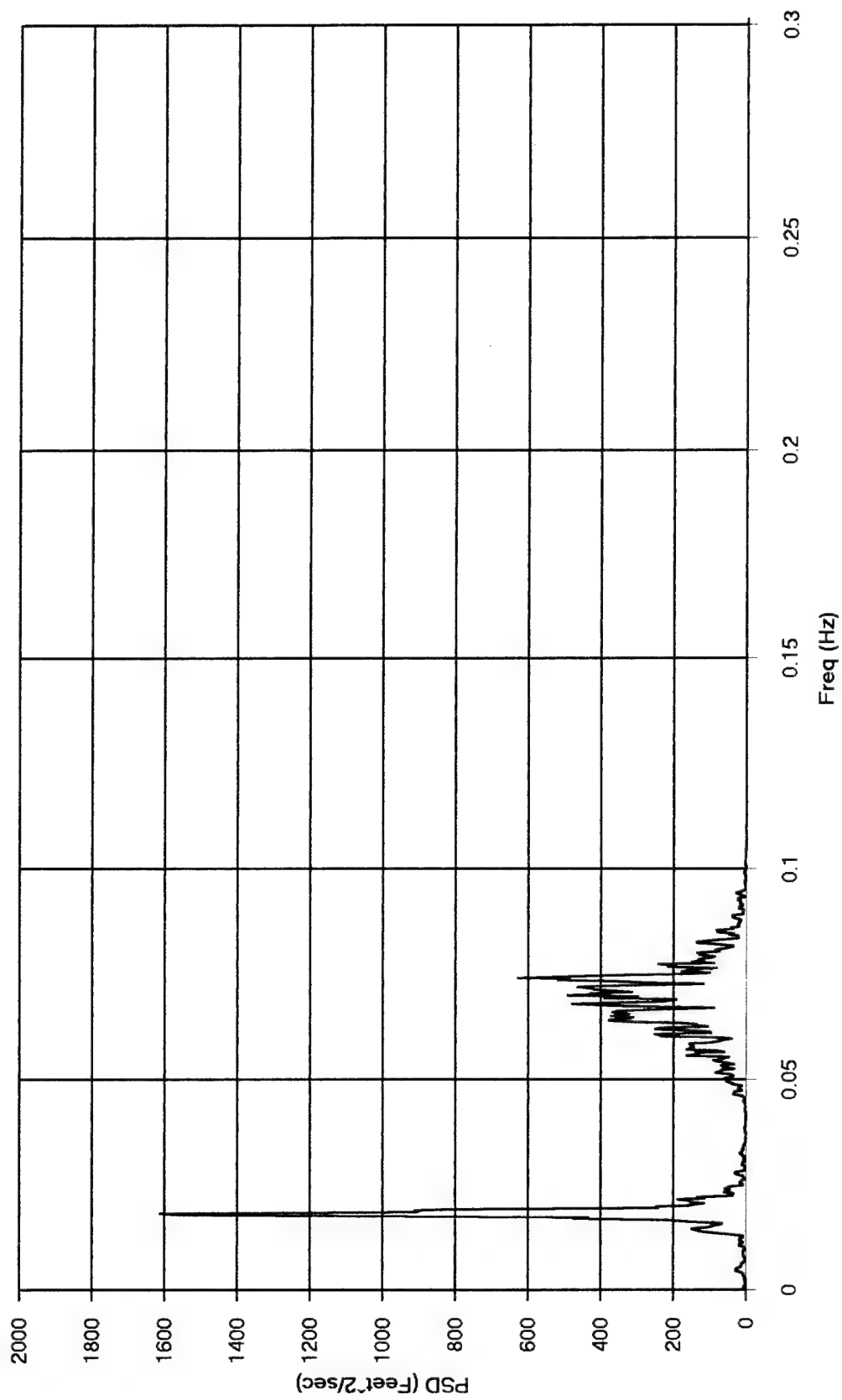
Test A808 - BT-3 PSD



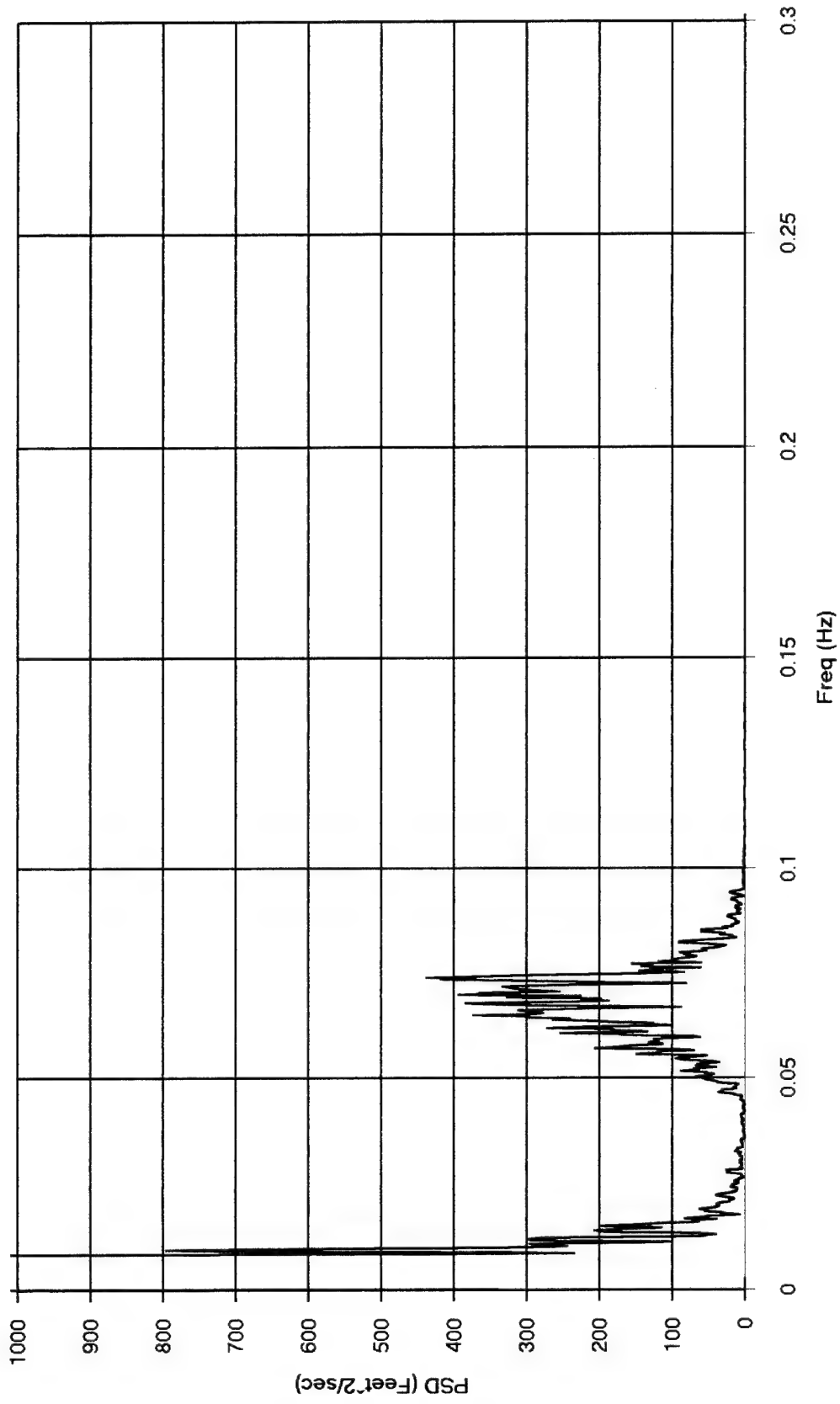
Test A809 - PITCH PSD



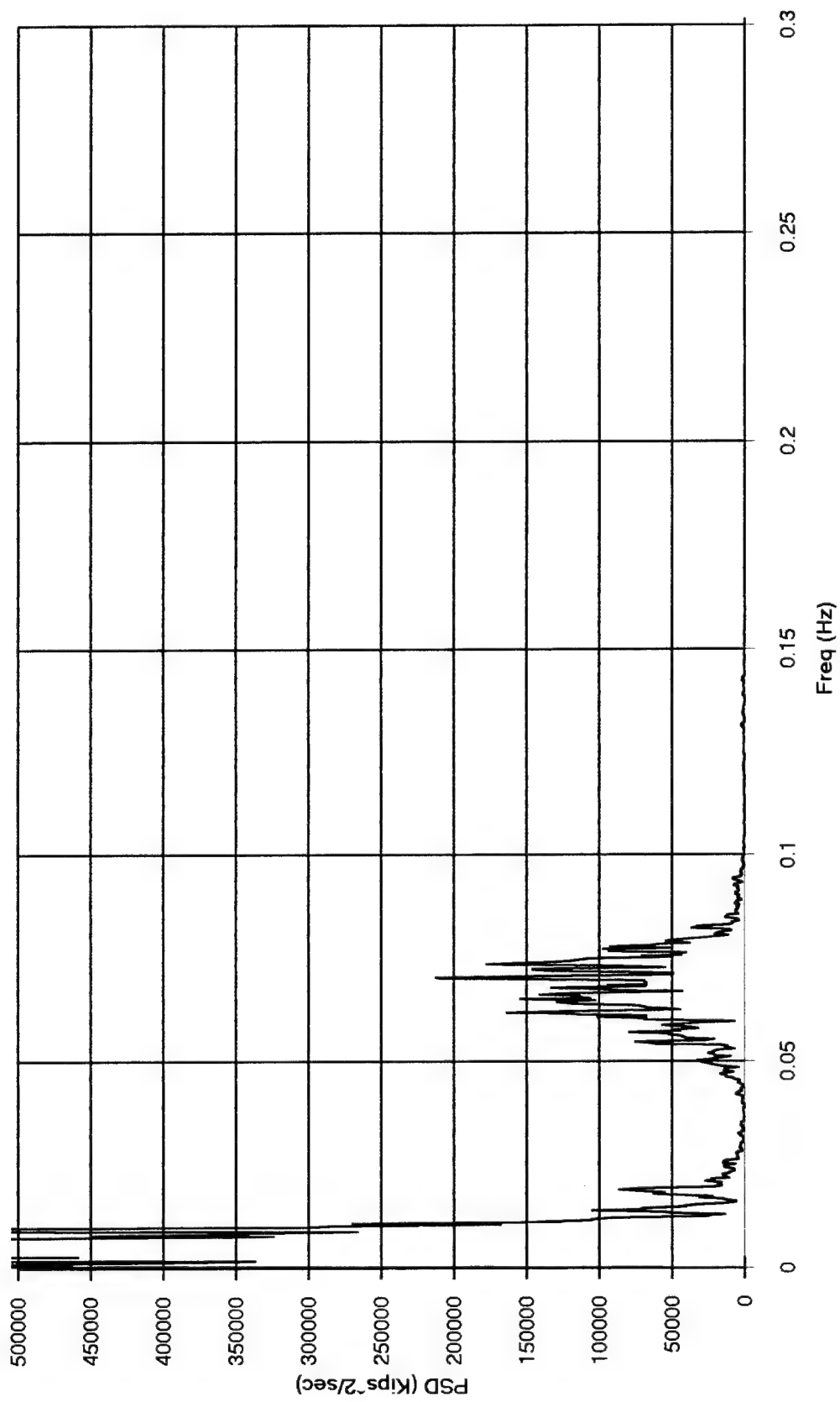
Test A809 - HEAVE PSD



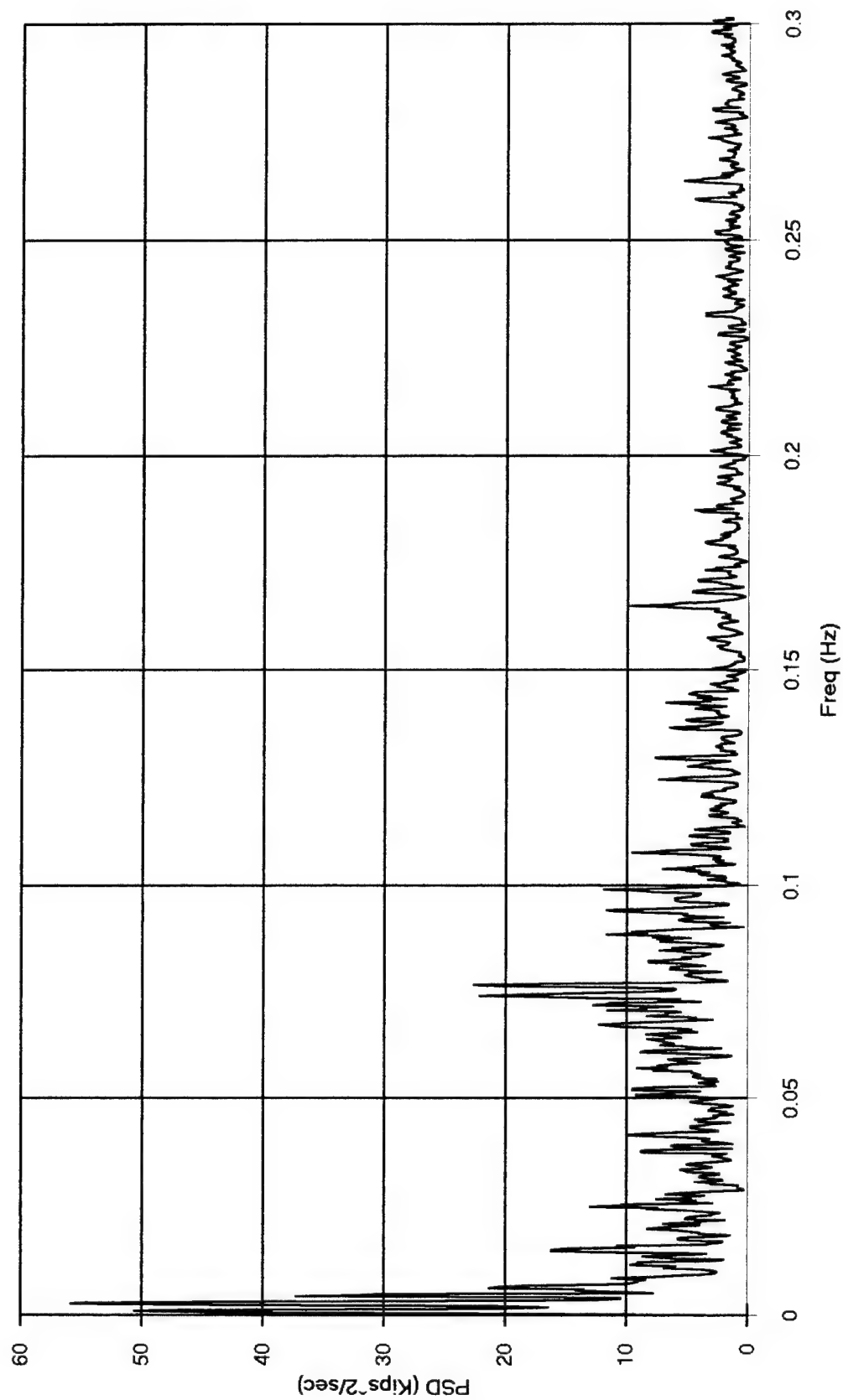
Test A809 - SURGE PSD



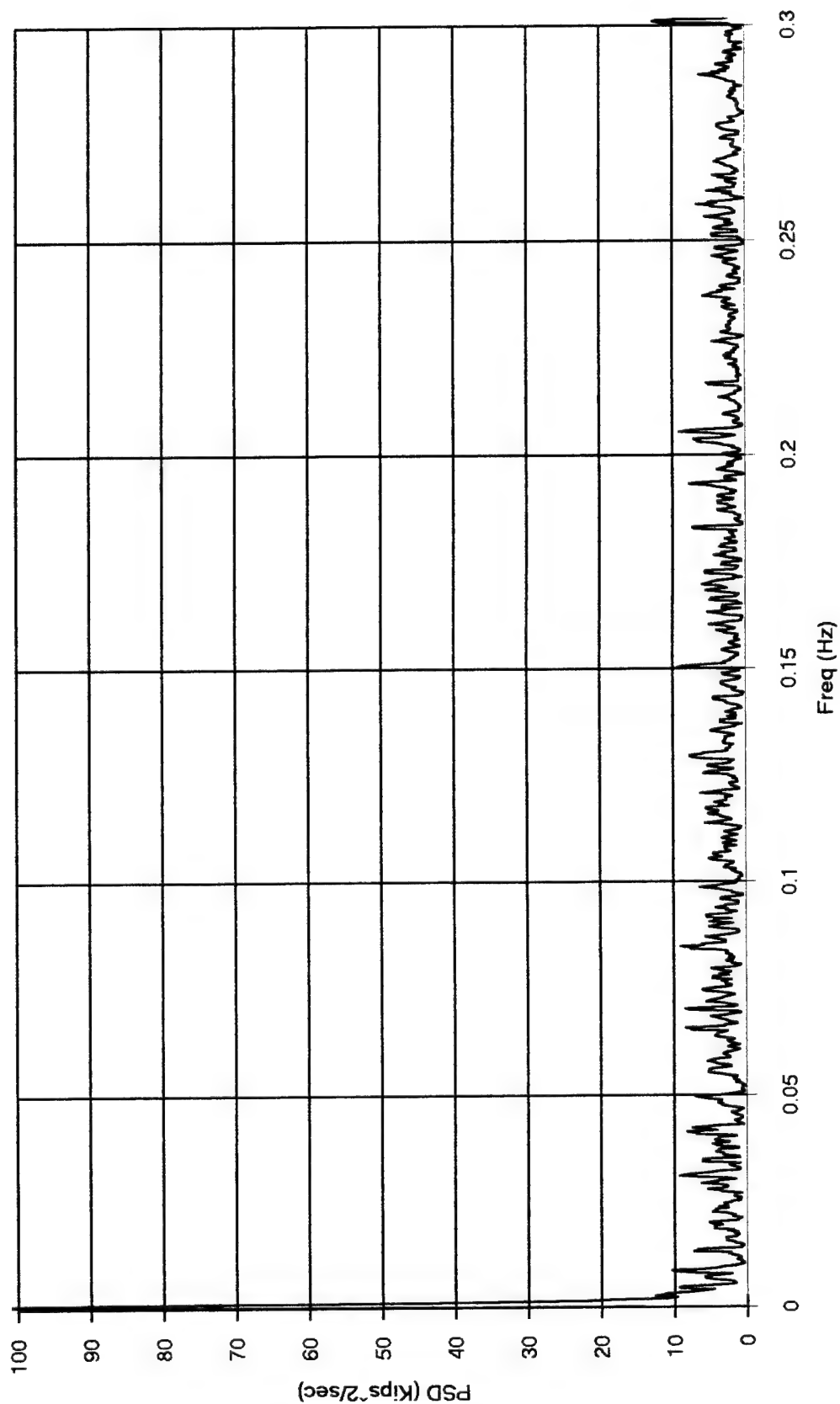
Test A809 - ML-1 PSD



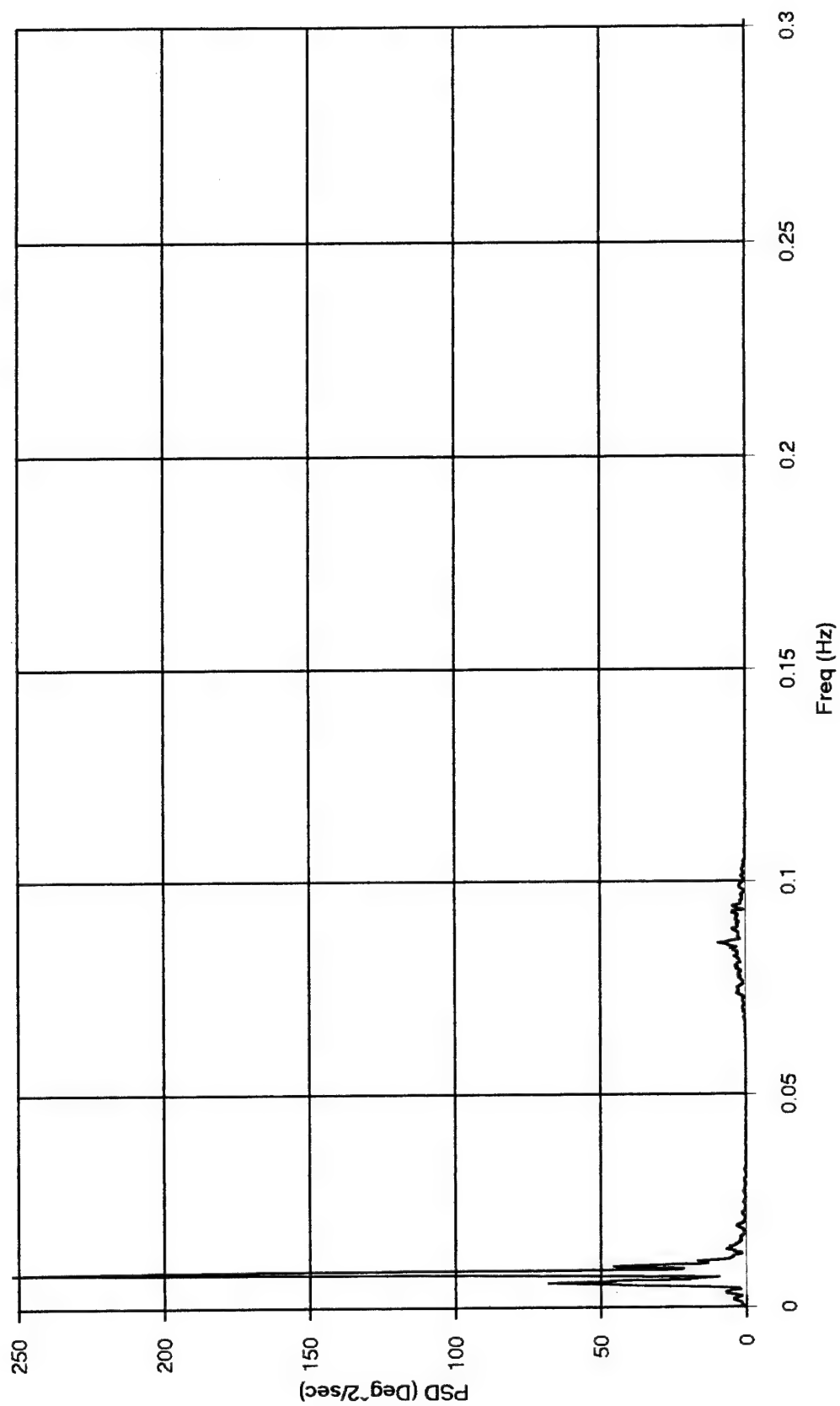
Test A809 - BT-1 PSD



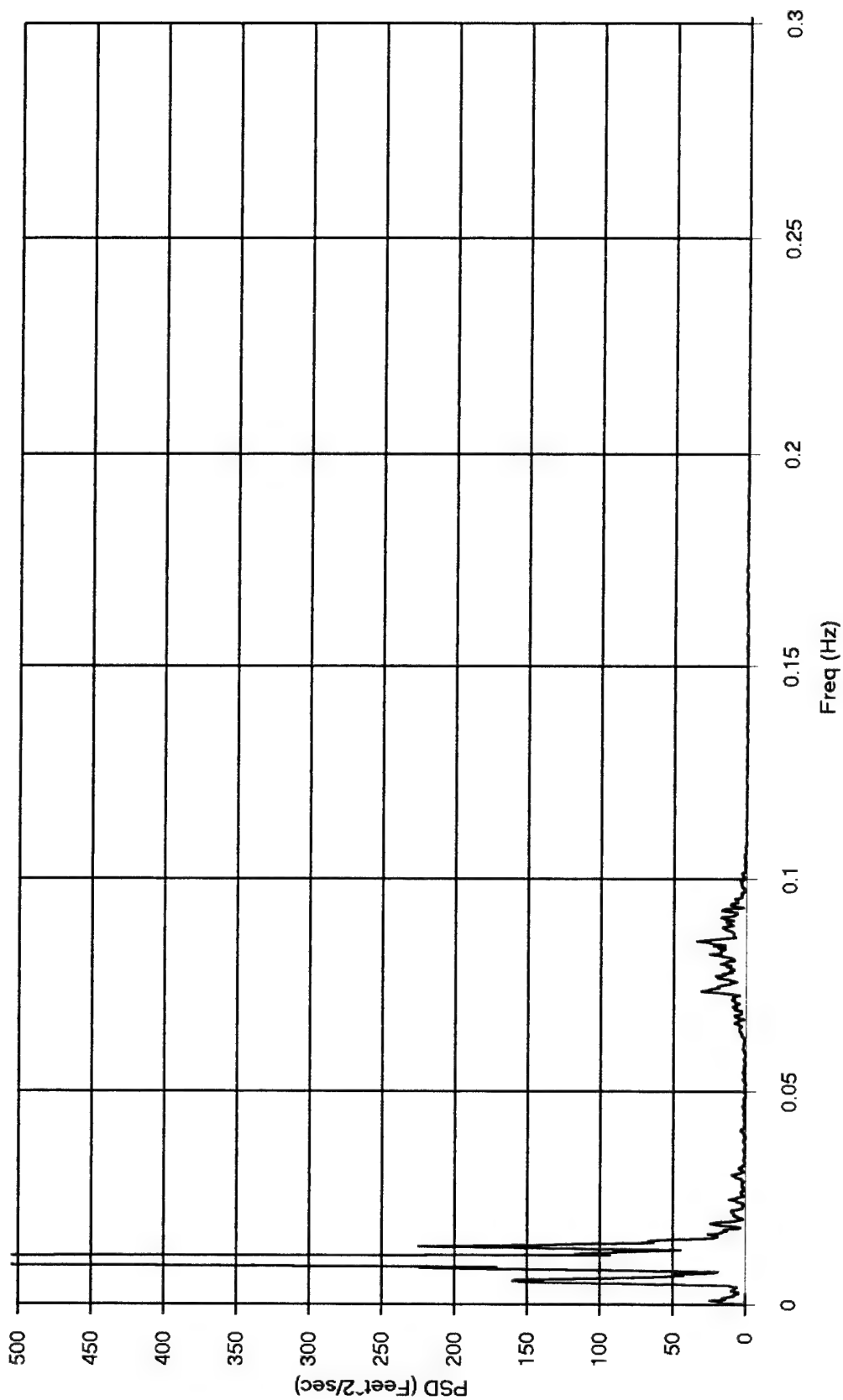
Test A809 - BT-3 PSD



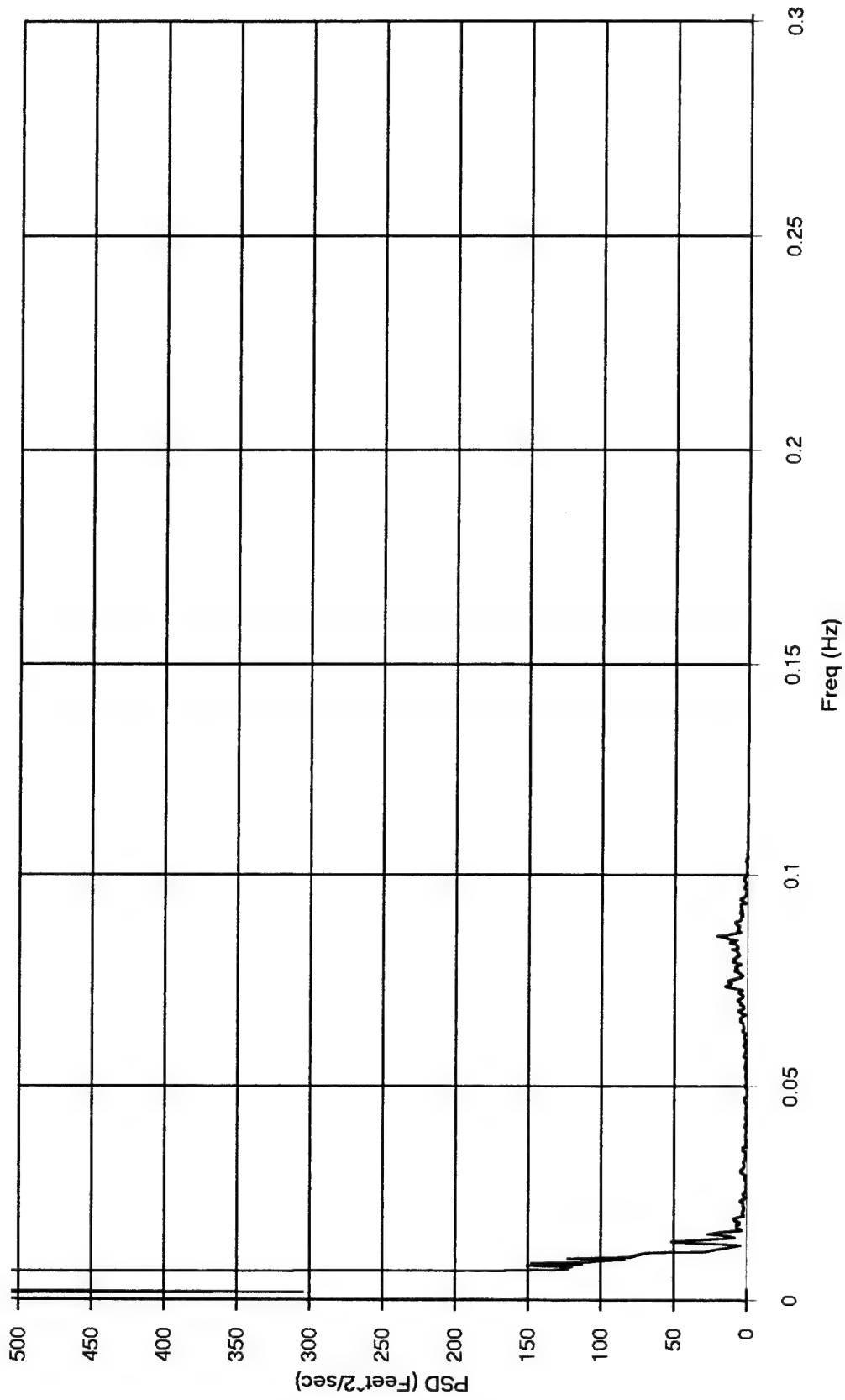
Test A908 - PITCH PSD



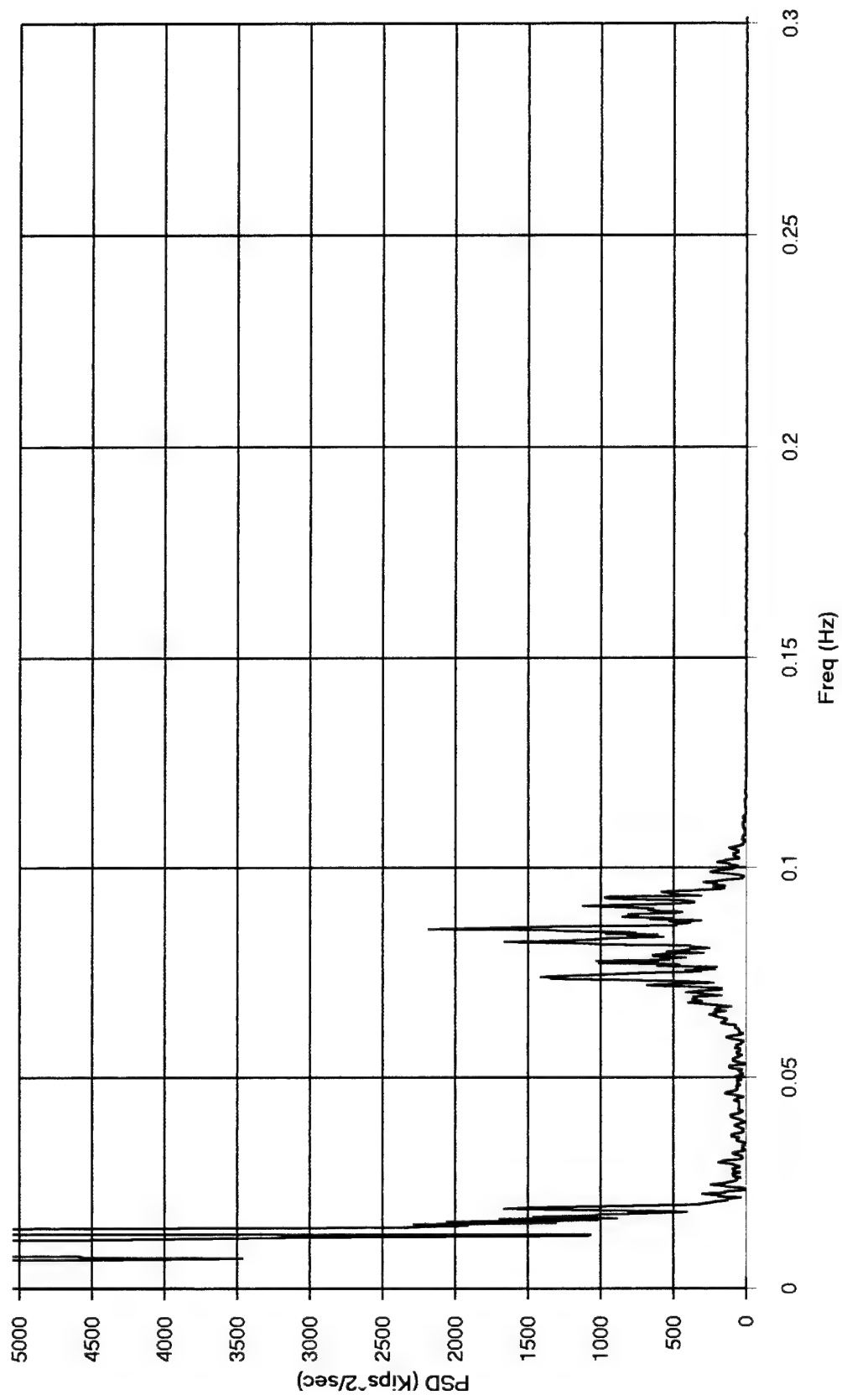
Test A908 - HEAVE PSD



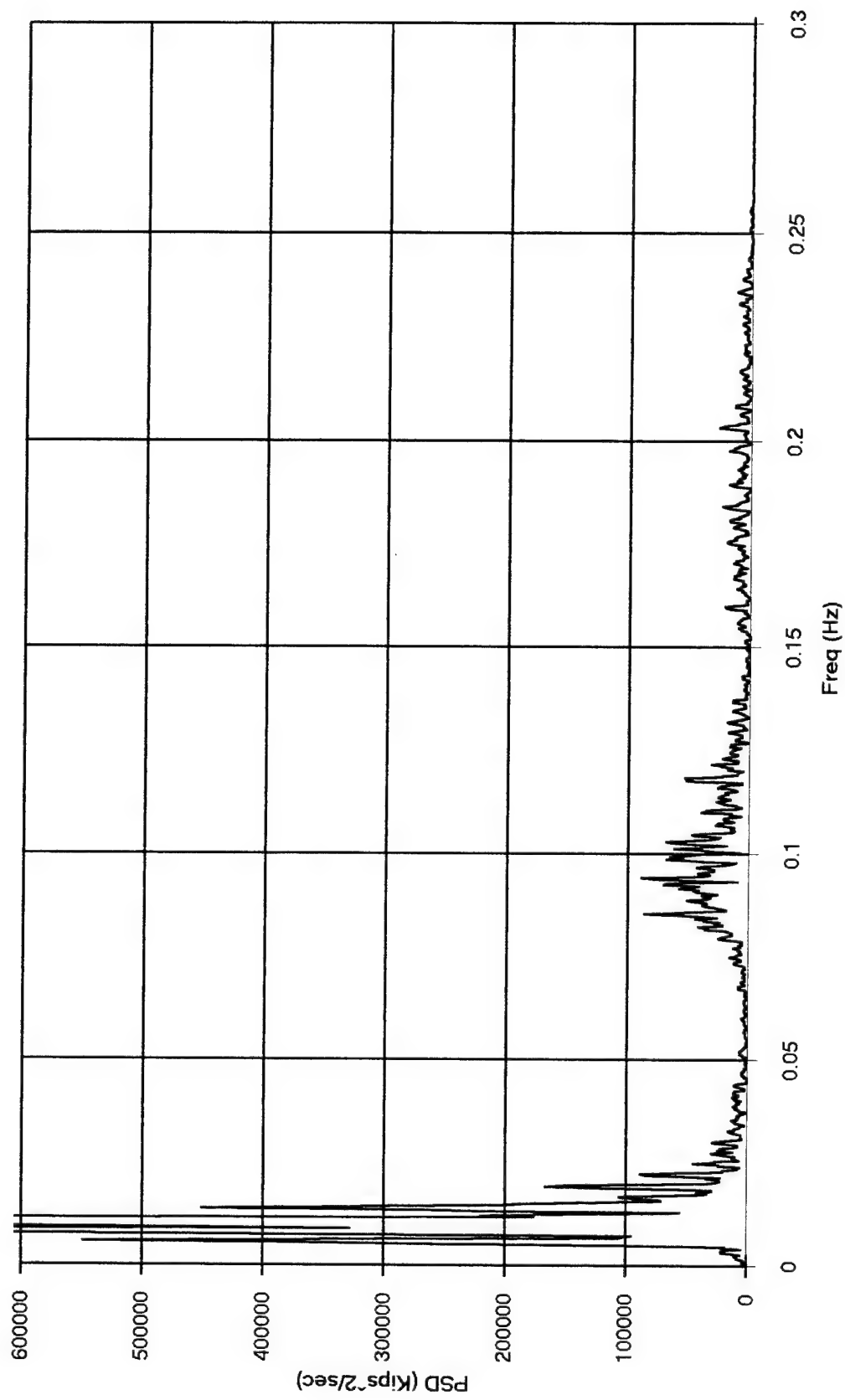
Test A908 - SURGE PSD



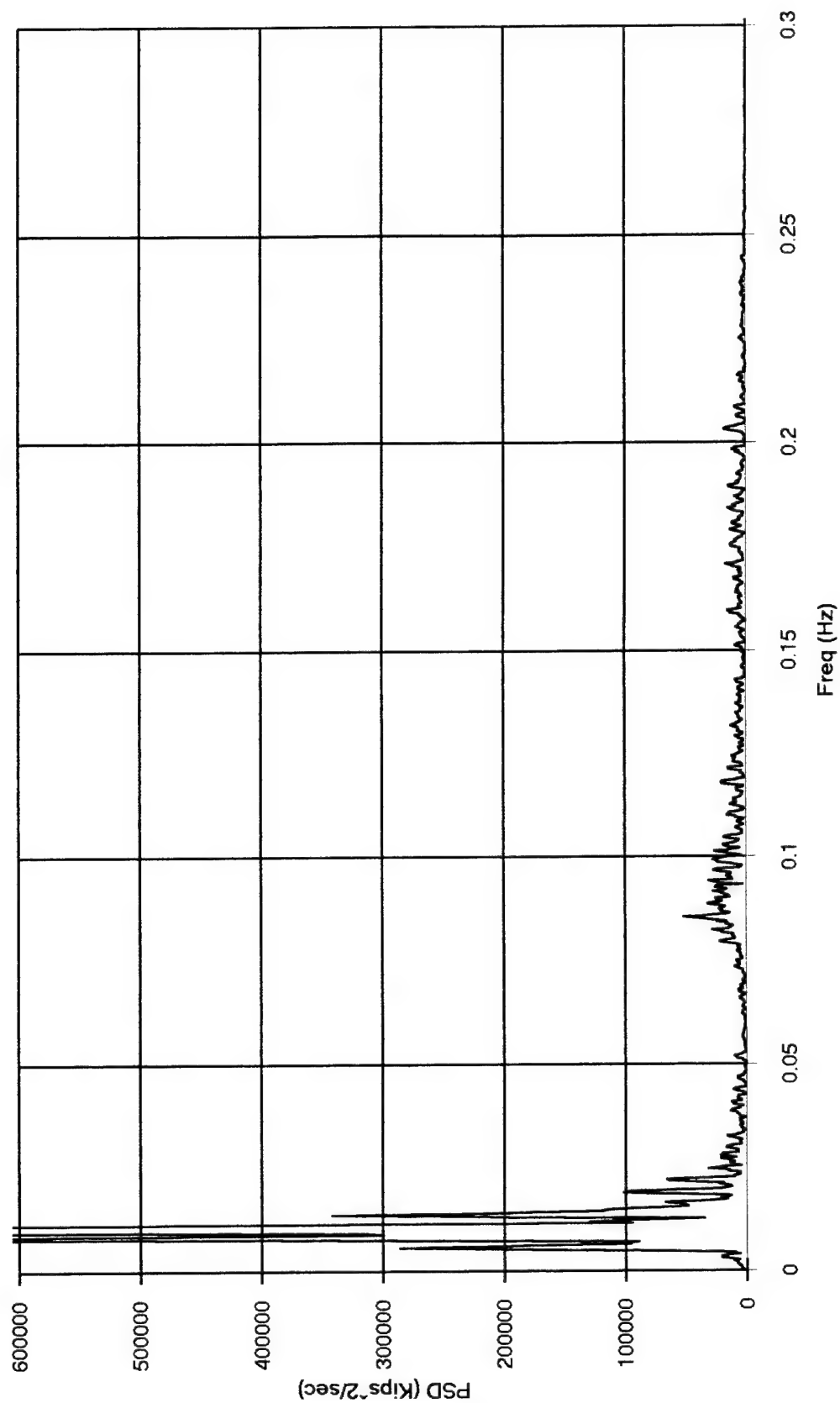
Test A908 - ML-1 PSD



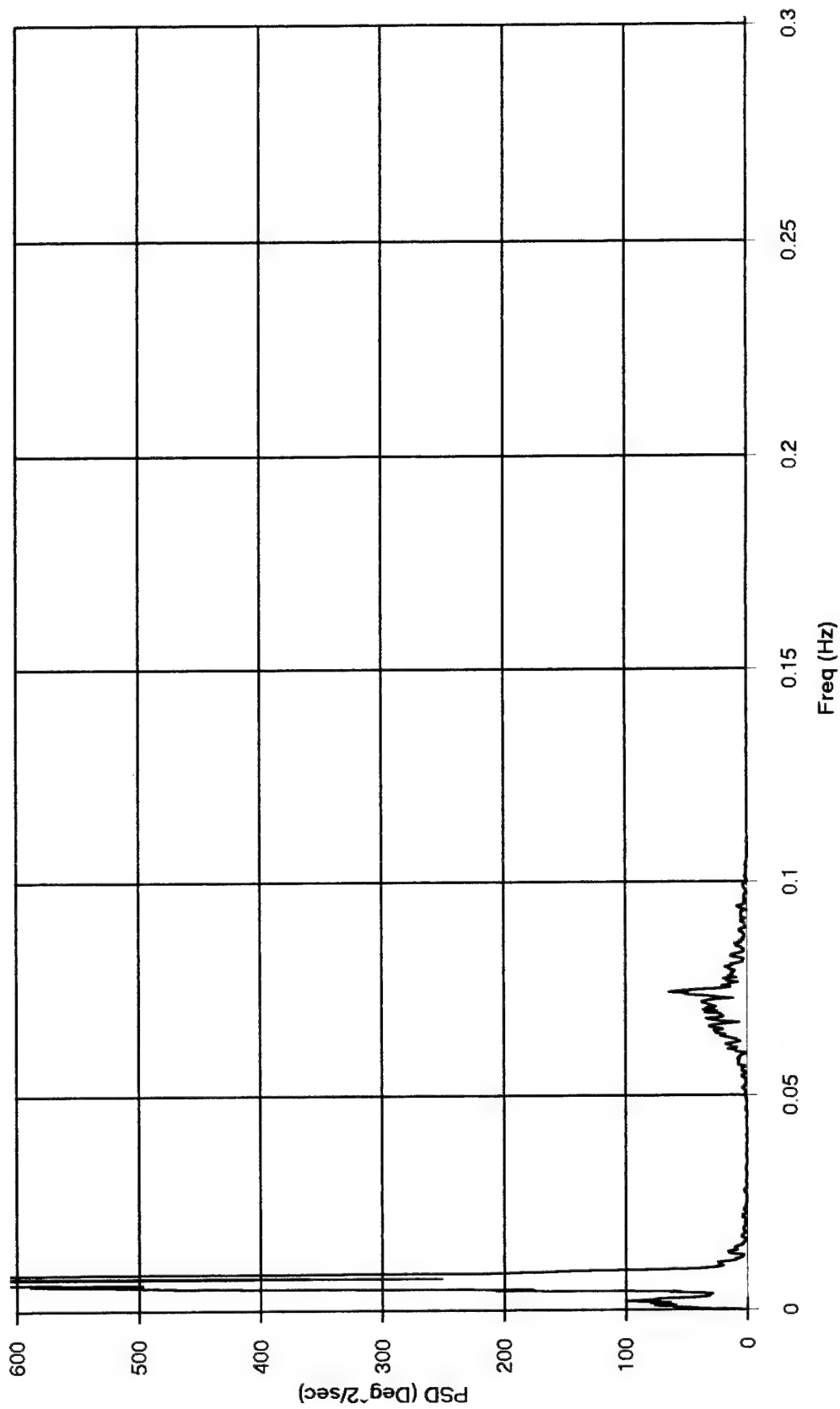
Test A908 - BT-1 PSD



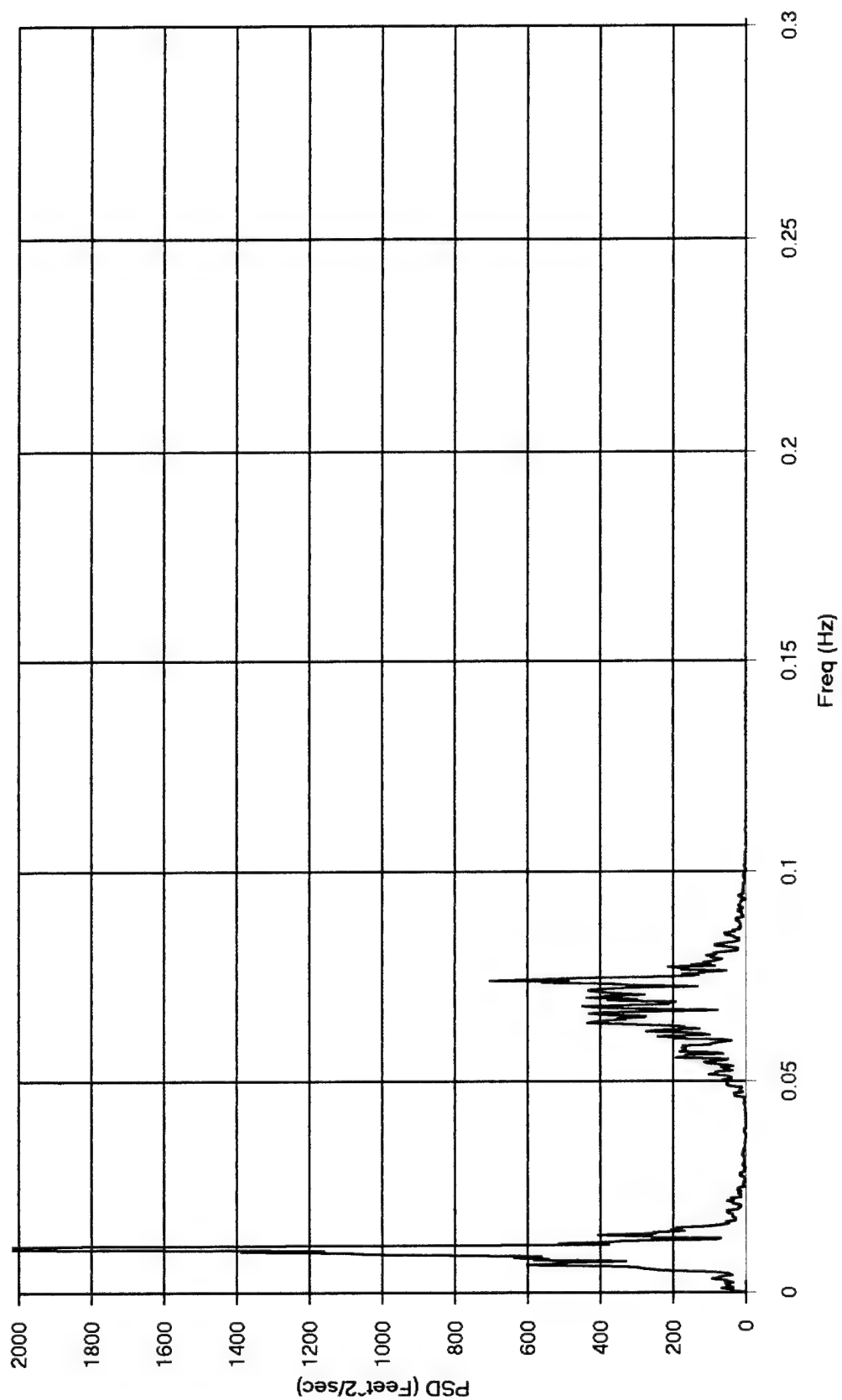
Test A908 - BT-3 PSD



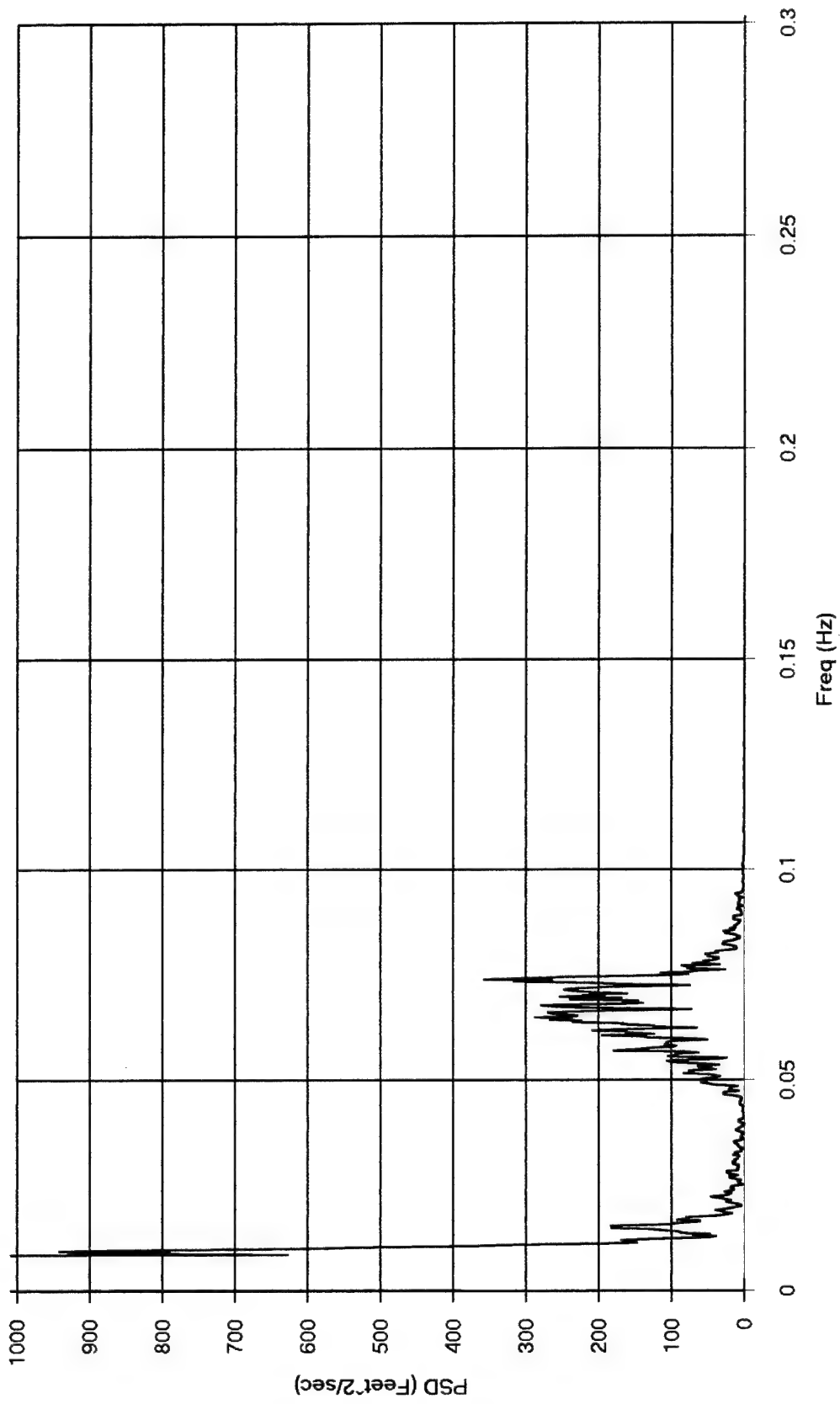
Test A909 - PITCH PSD



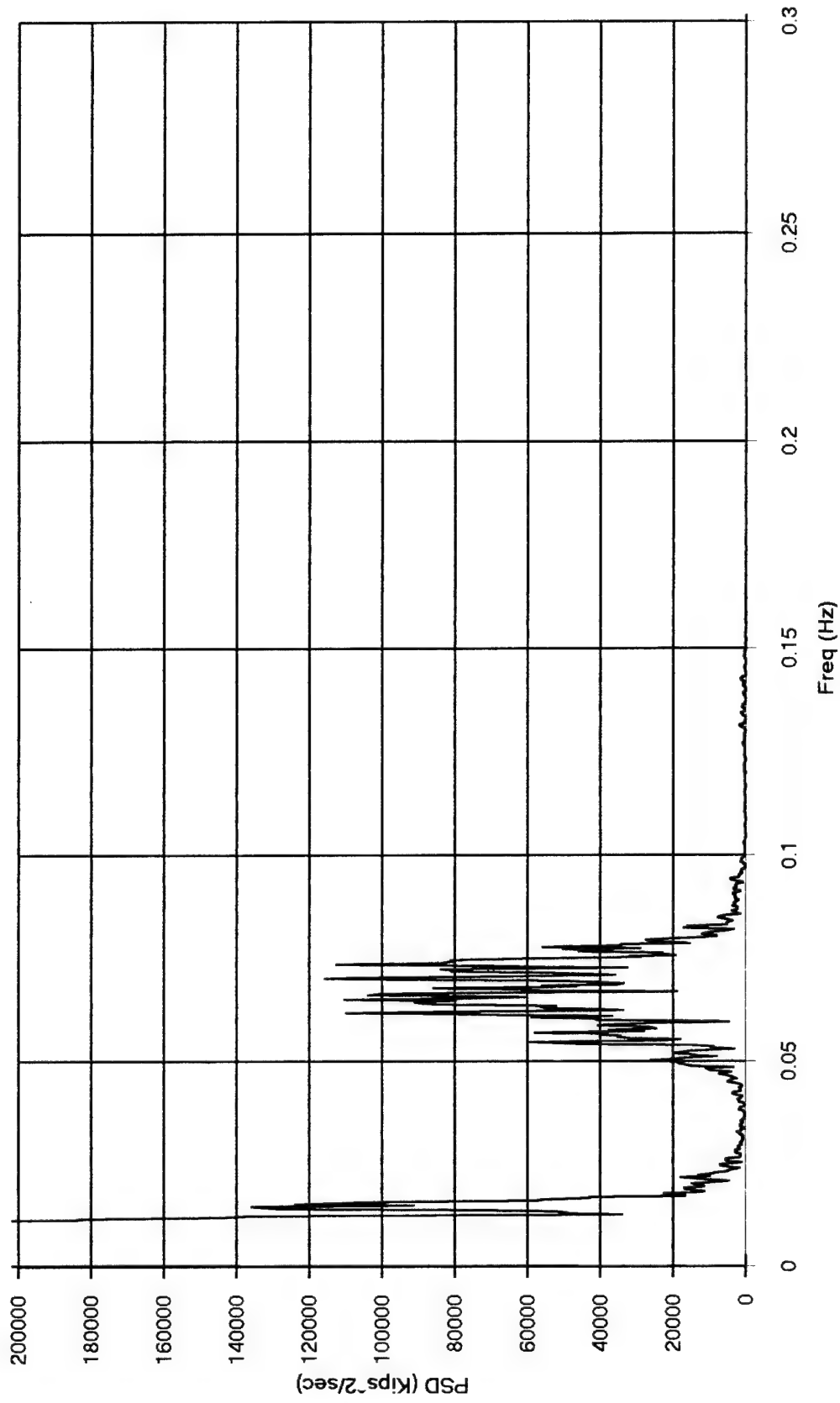
Test A909 - HEAVE PSD



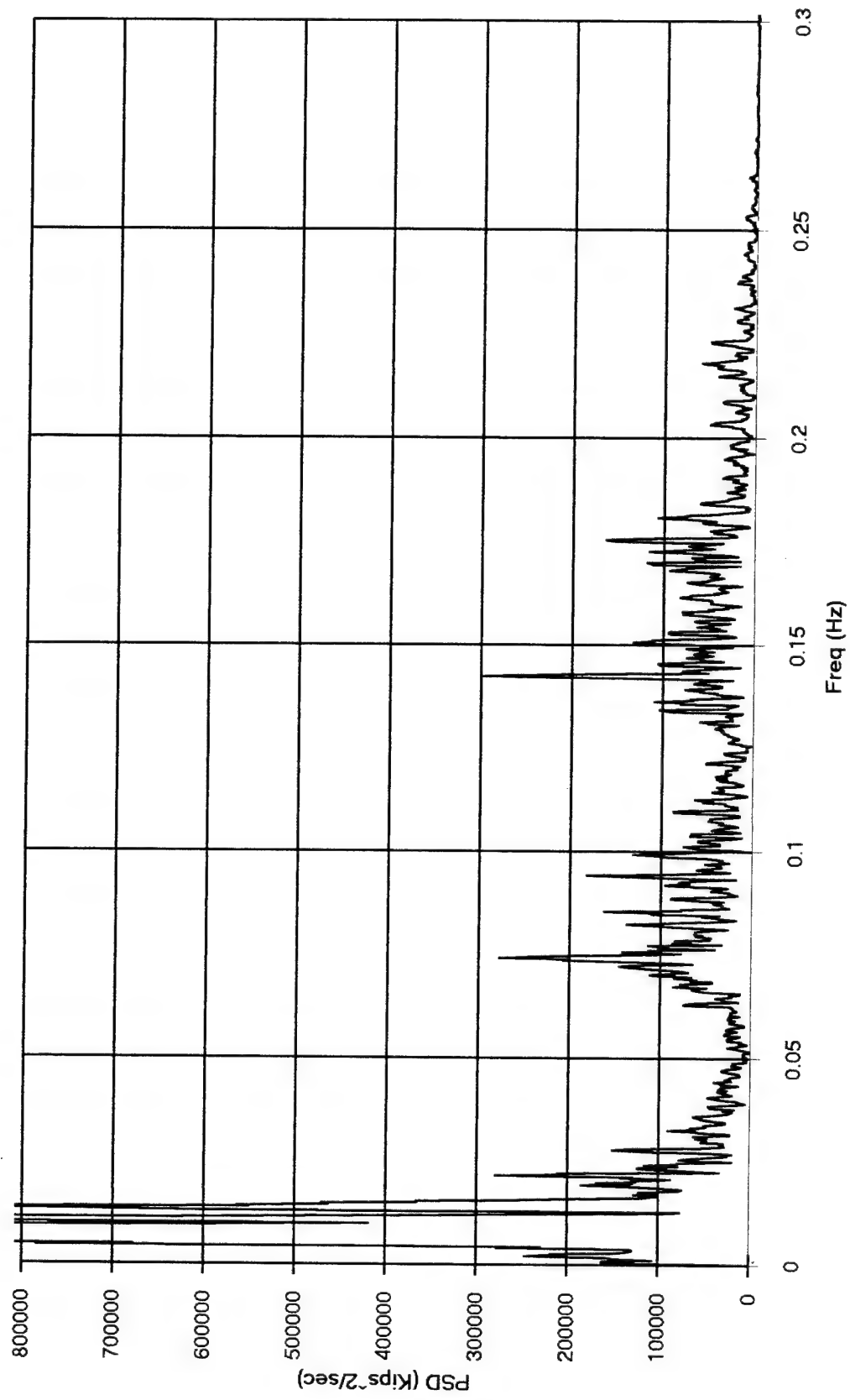
Test A909 - SURGE PSD



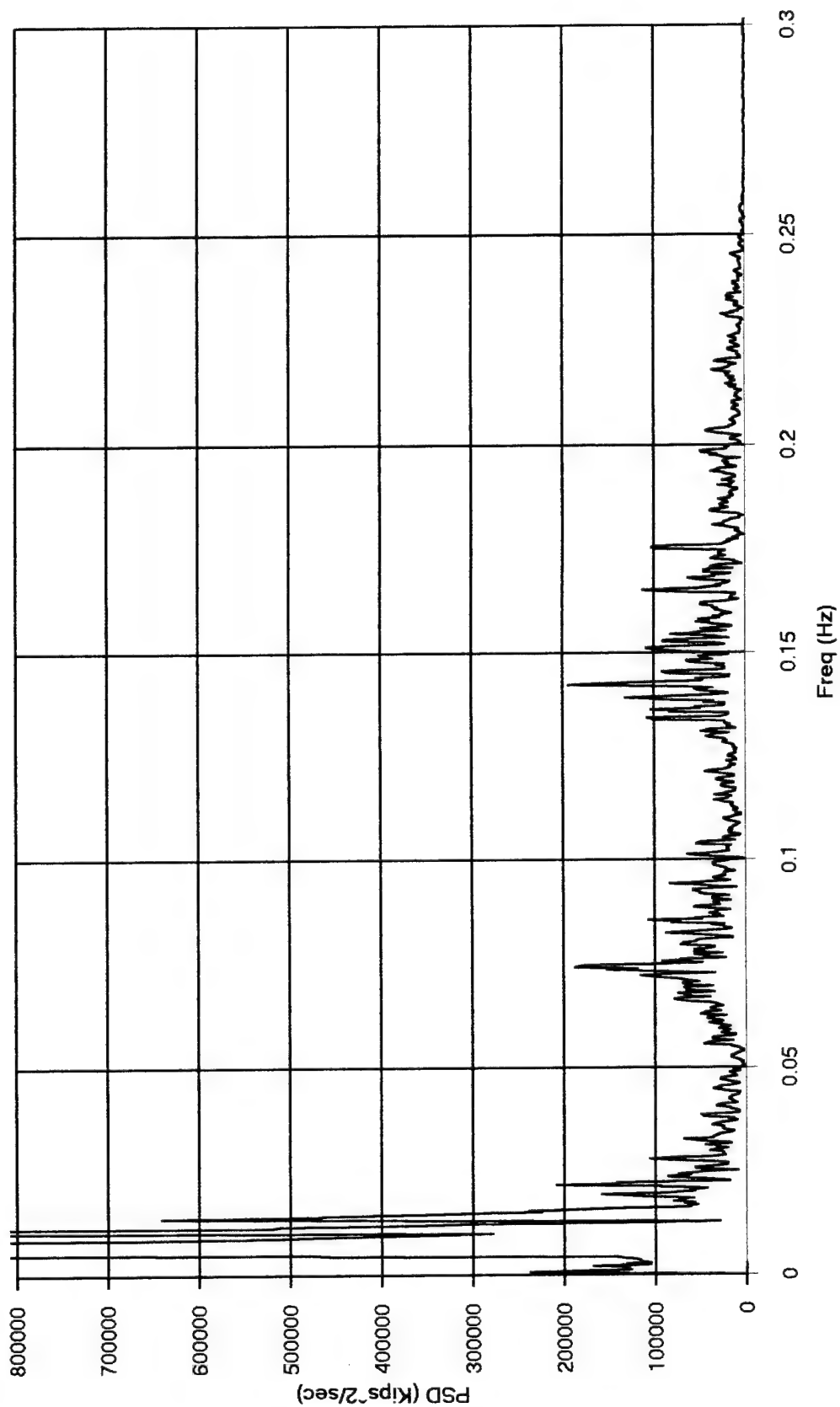
Test A909 - ML-1 PSD



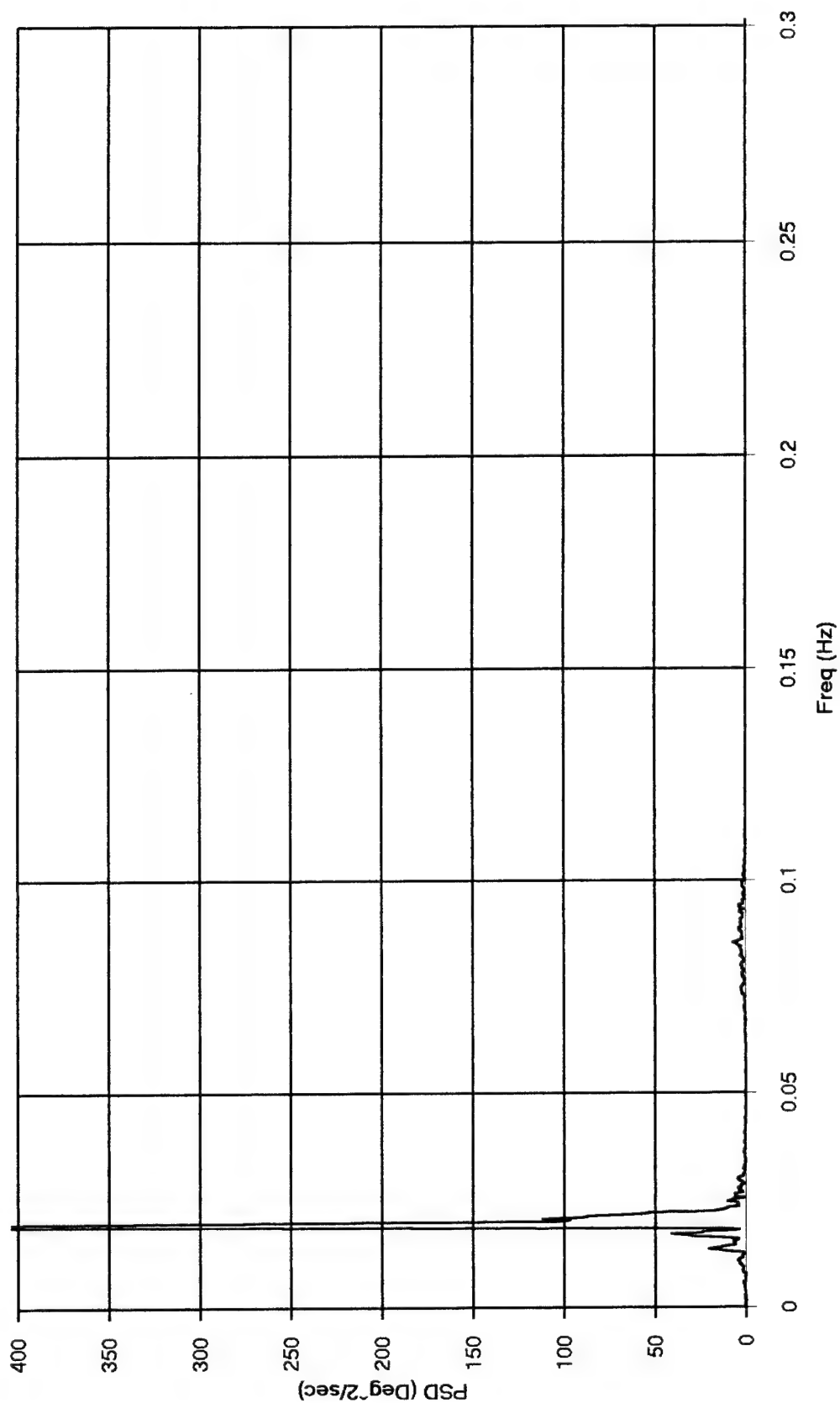
Test A909 - BT-1 PSD



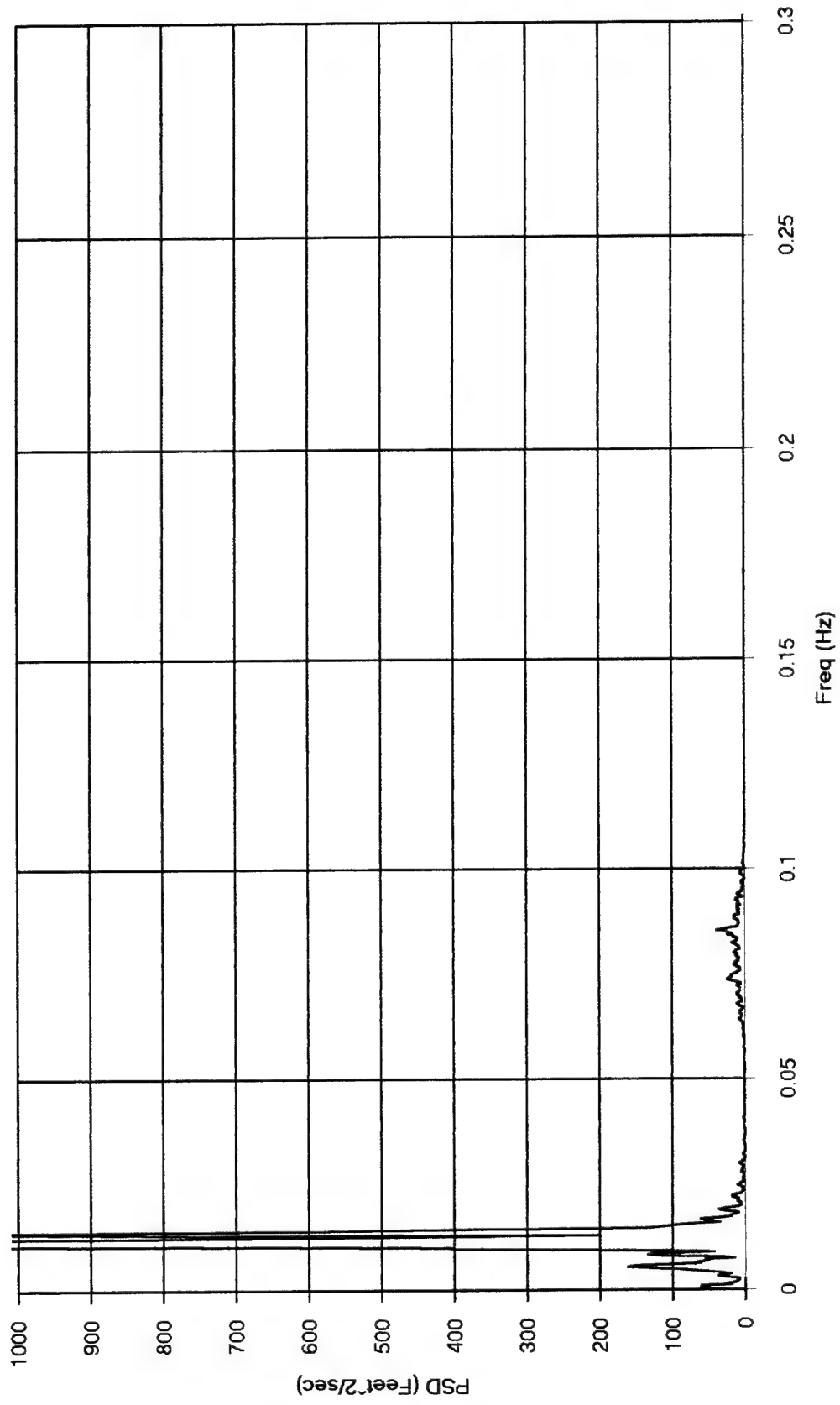
Test A909 - BT-3 PSD



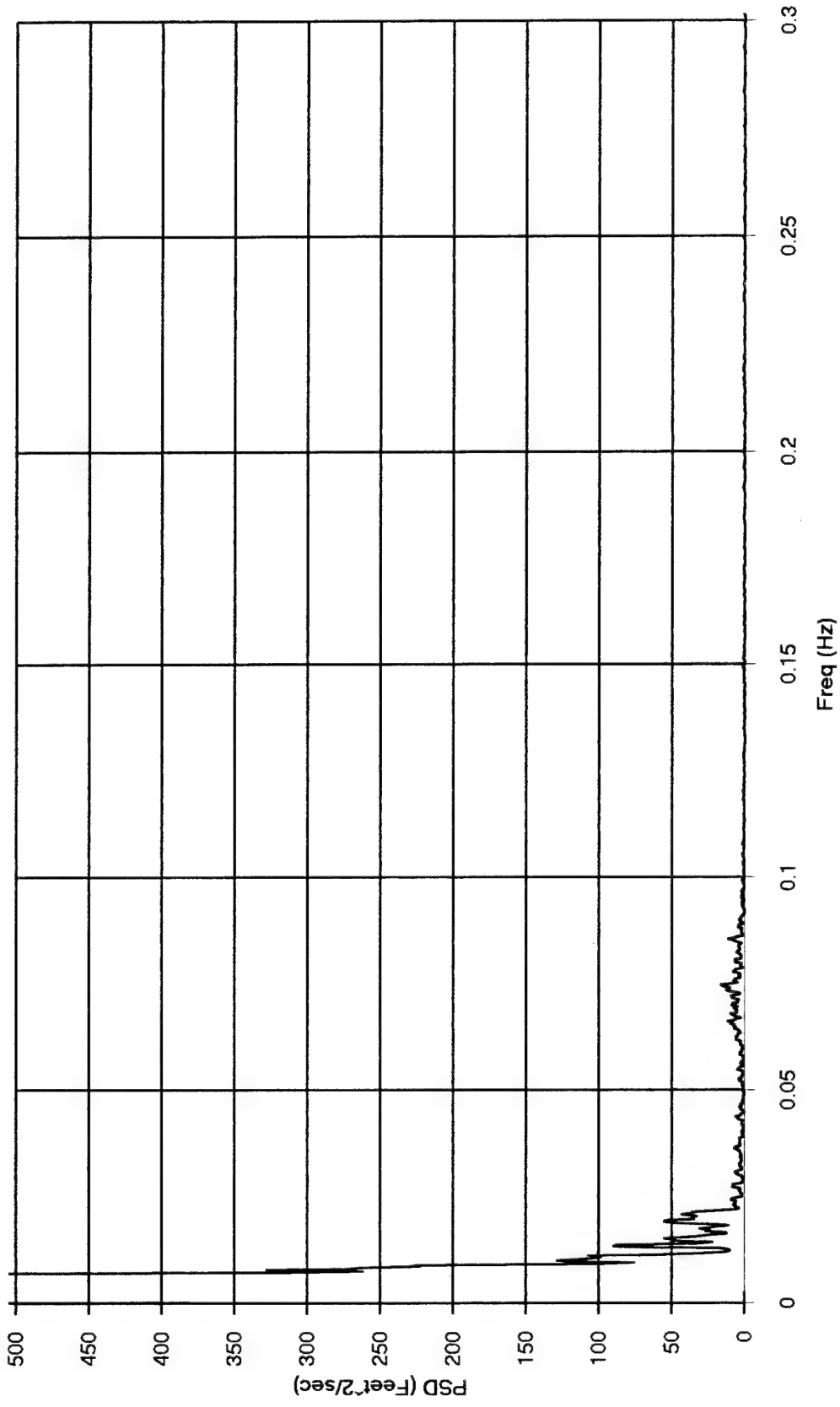
Test A1008 - PITCH PSD



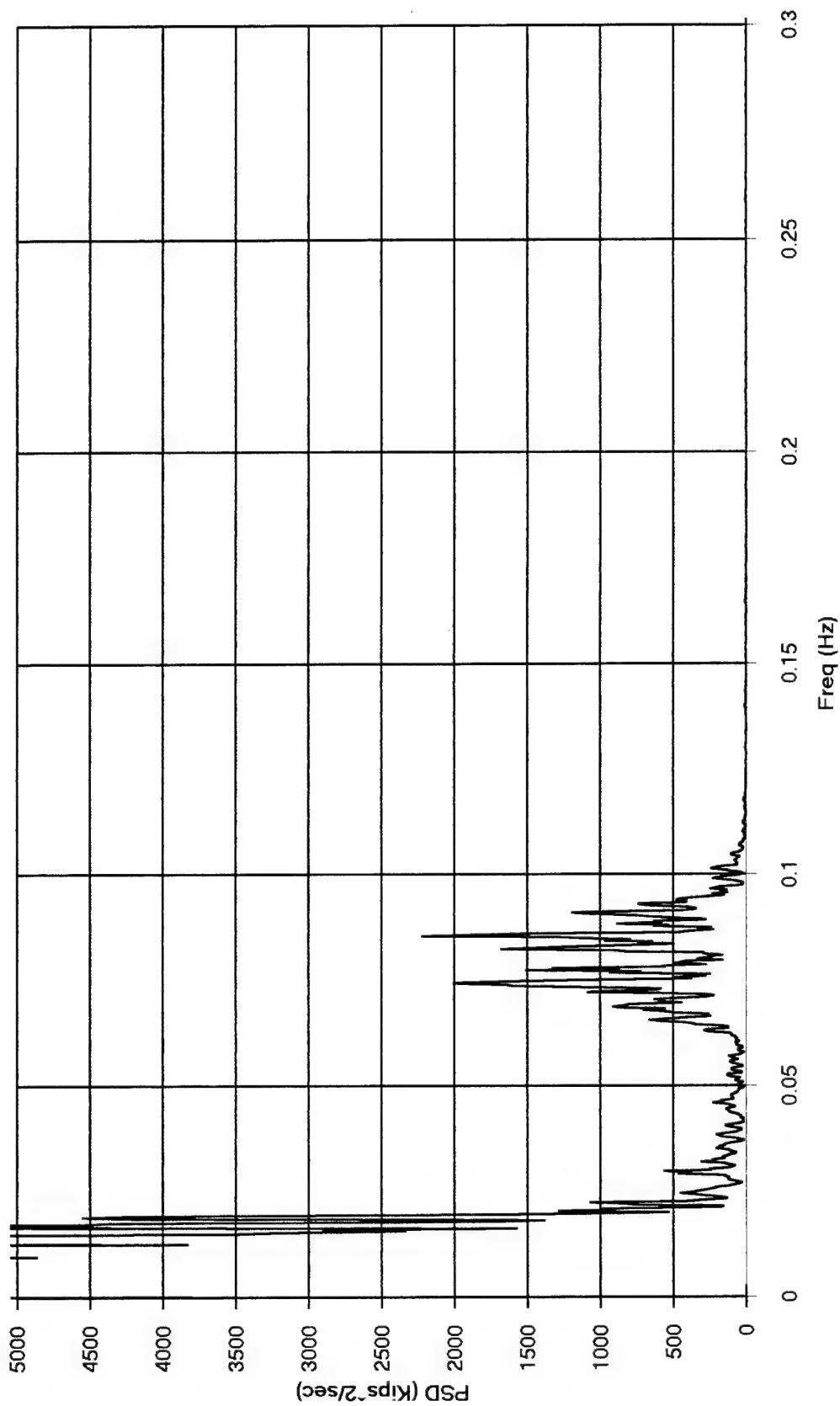
Test A1008 - HEAVE PSD



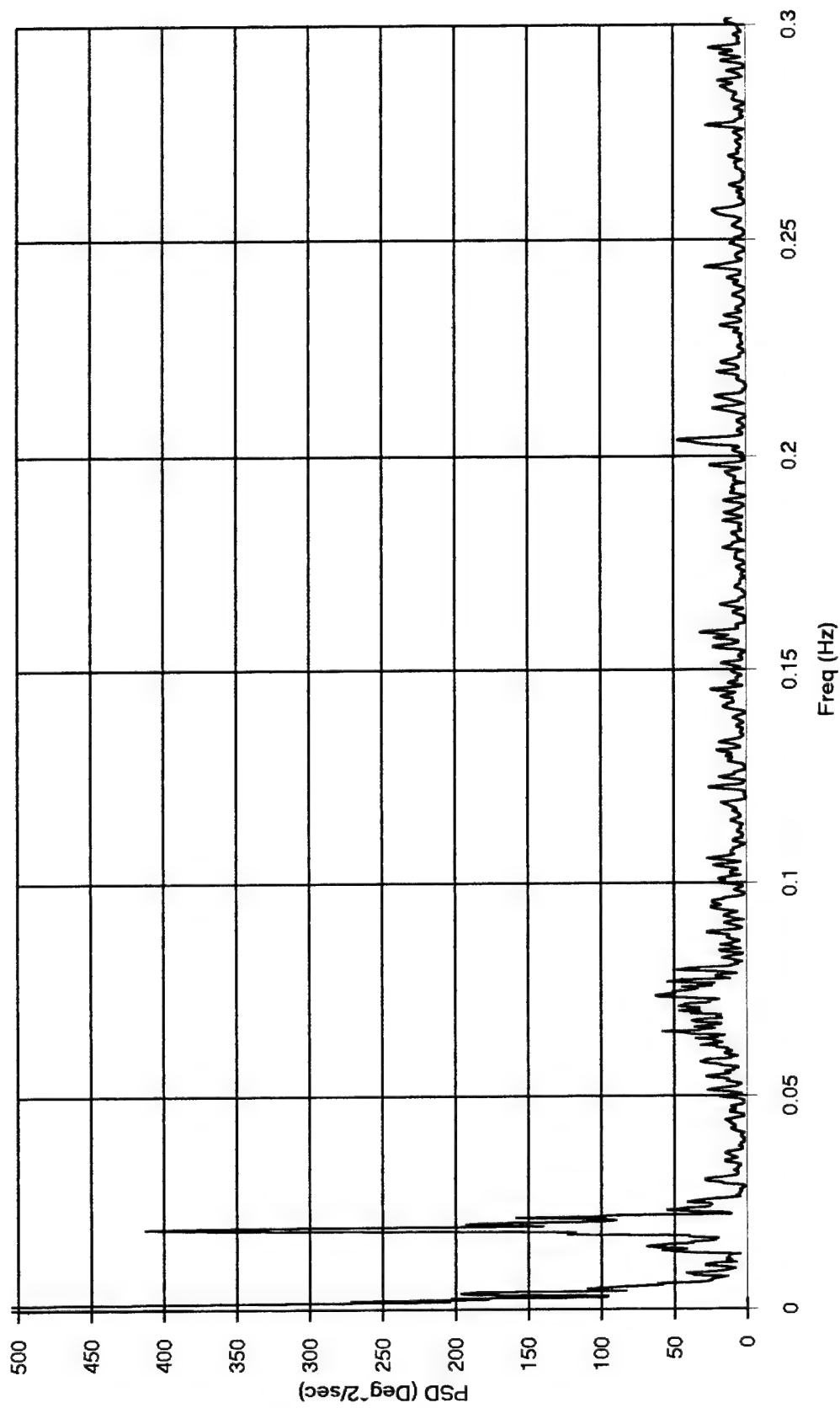
Test A1008 - SURGE PSD



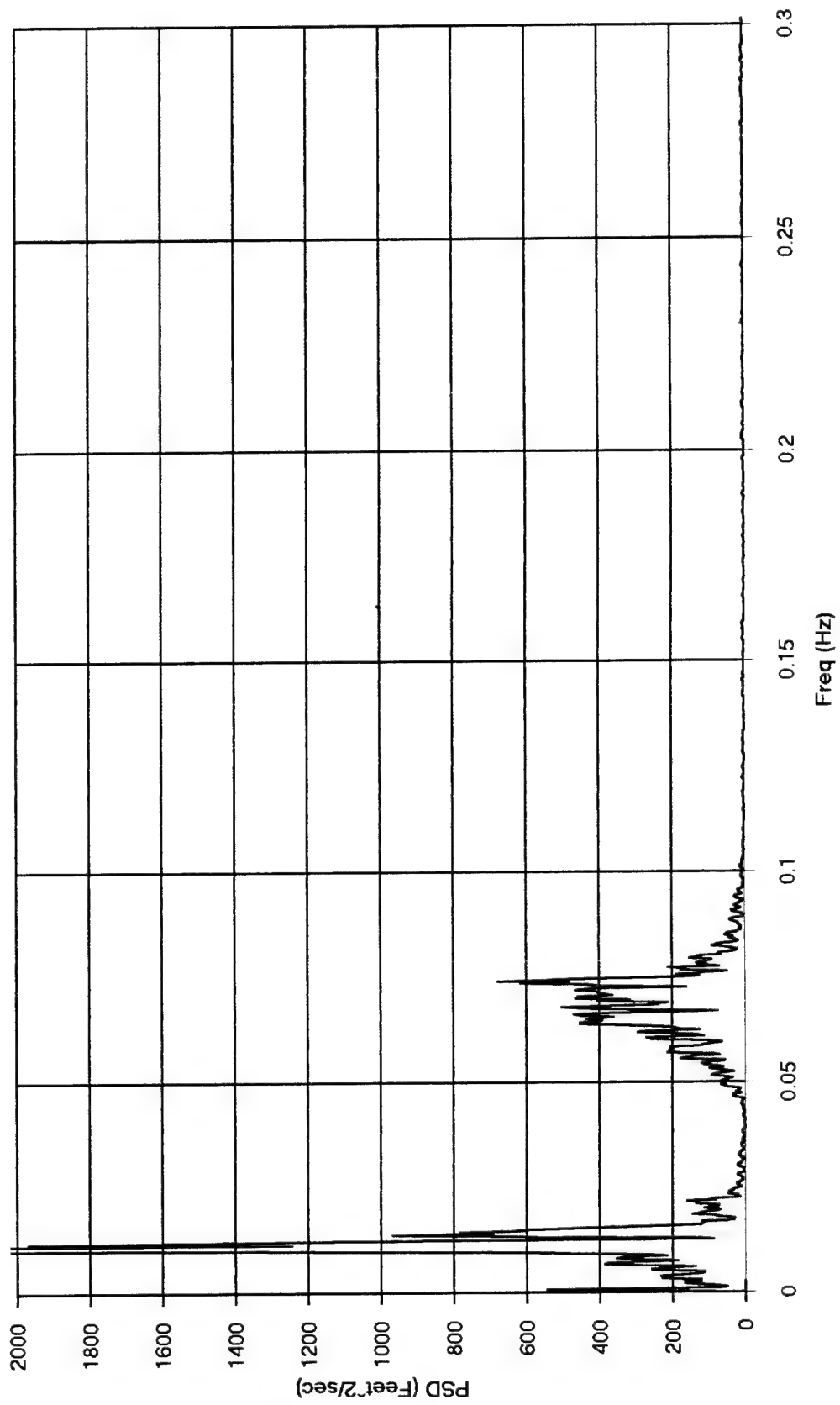
Test A1008 - ML-1 PSD



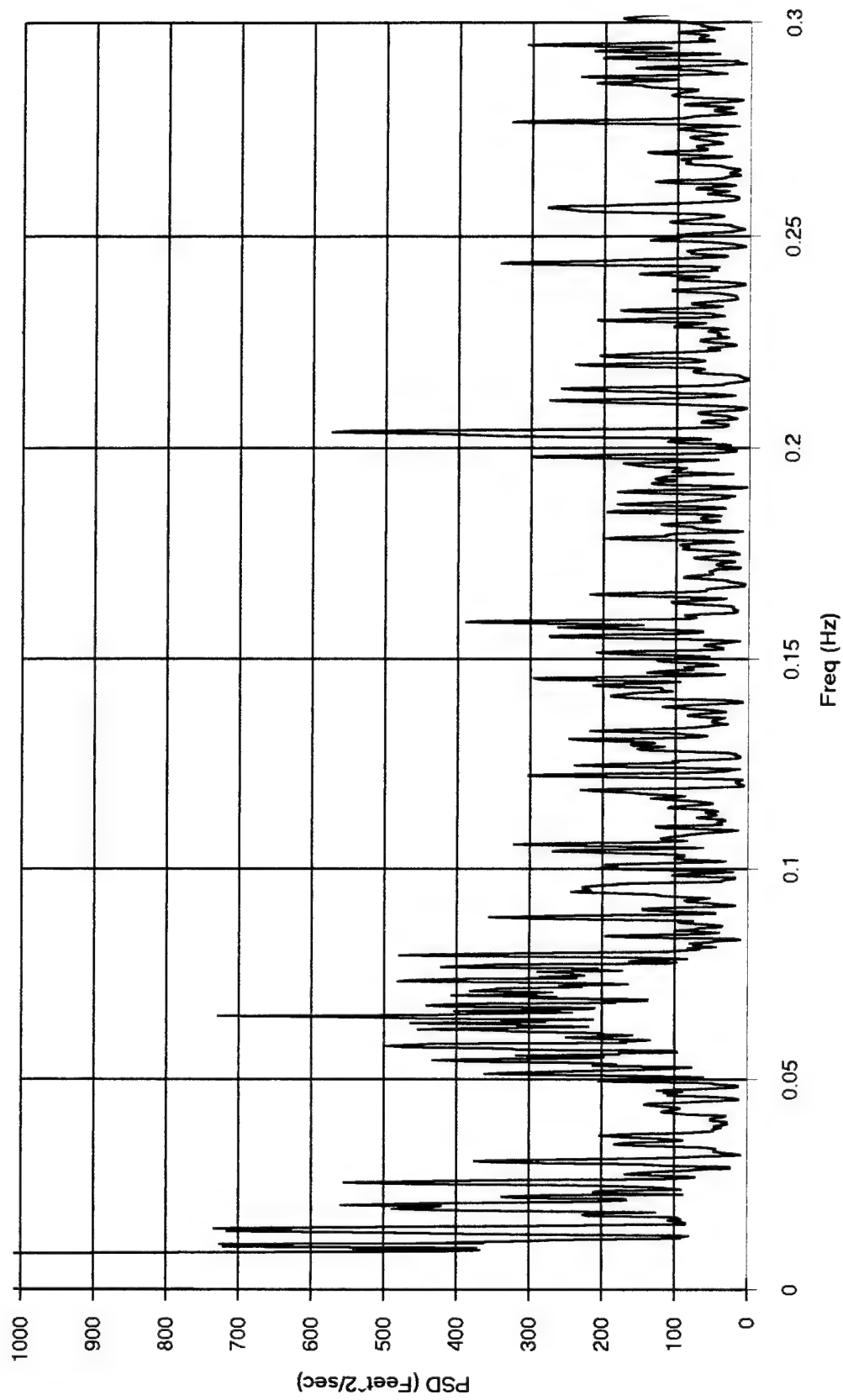
Test A1009 - PITCH PSD



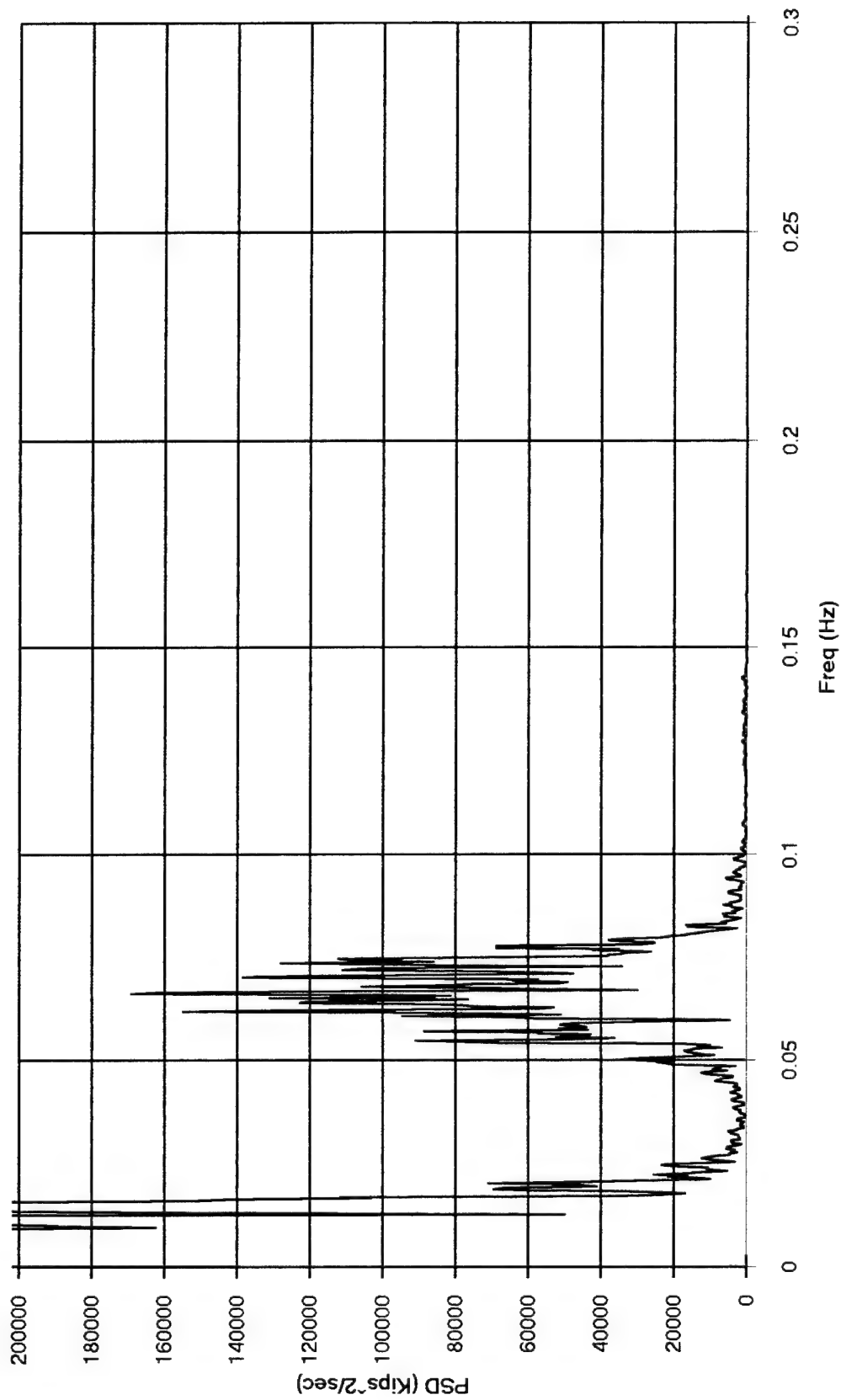
Test A1009 - HEAVE PSD



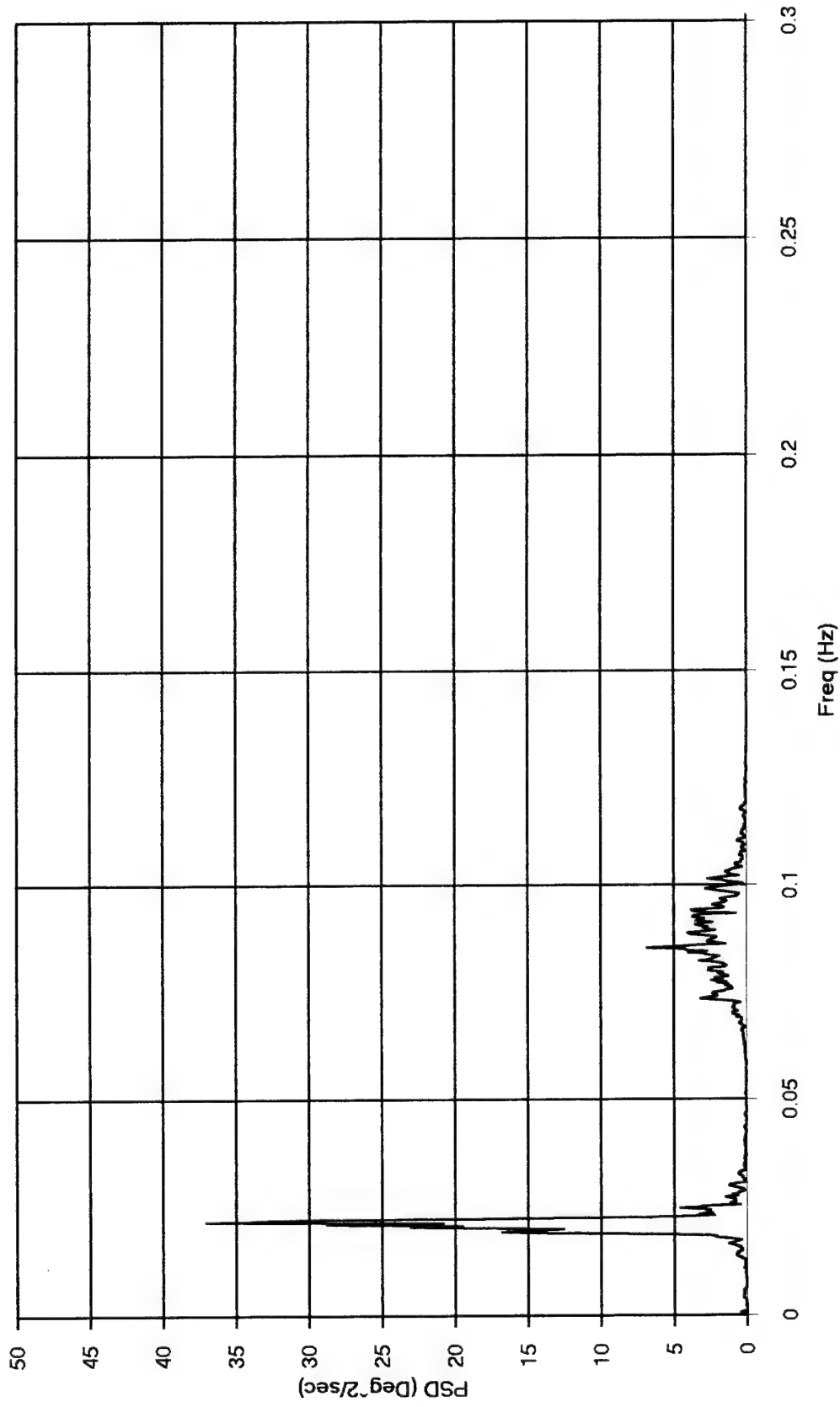
Test A1009 - SURGE PSD



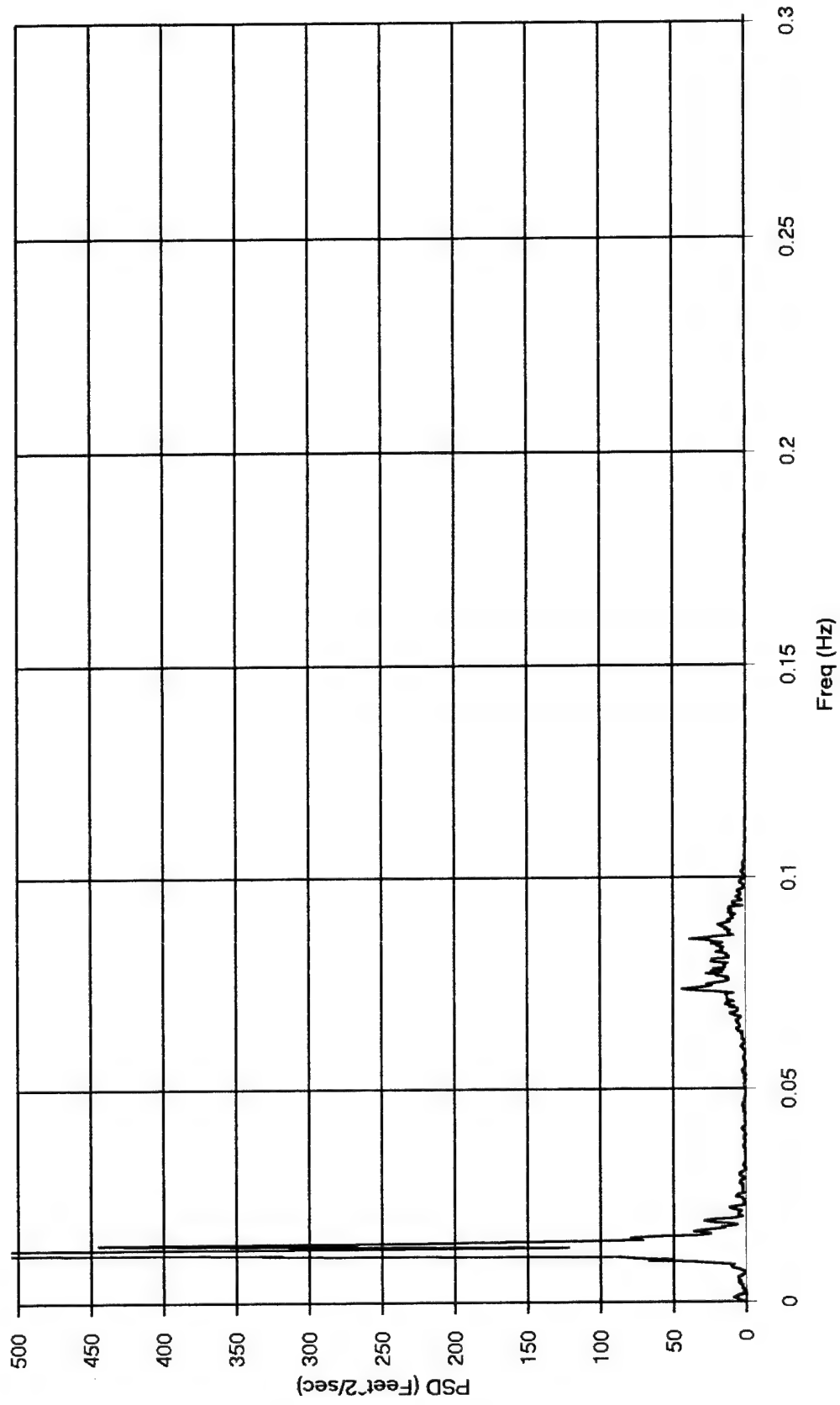
Test A1009 - ML-1 PSD



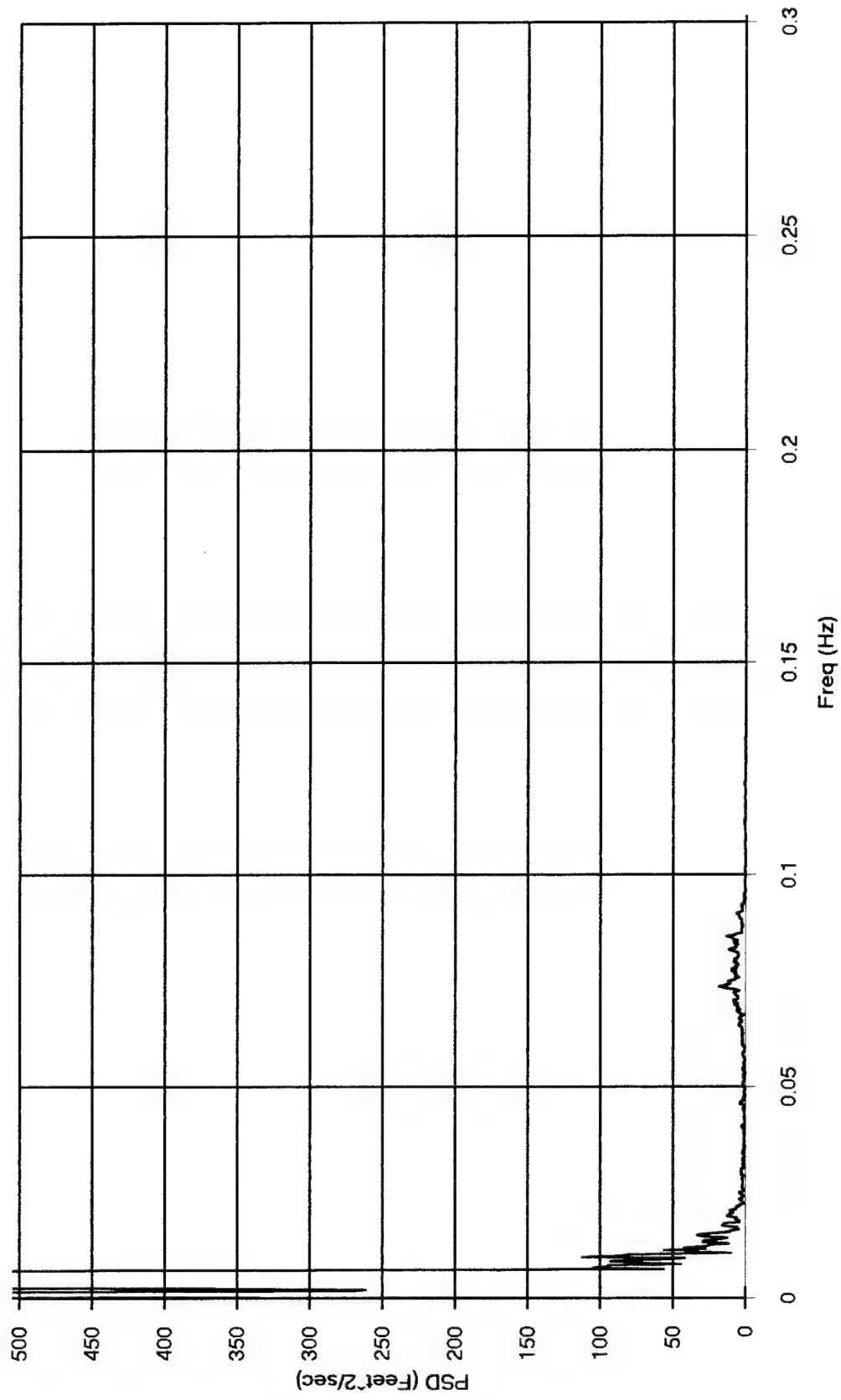
Test A1108 - PITCH PSD



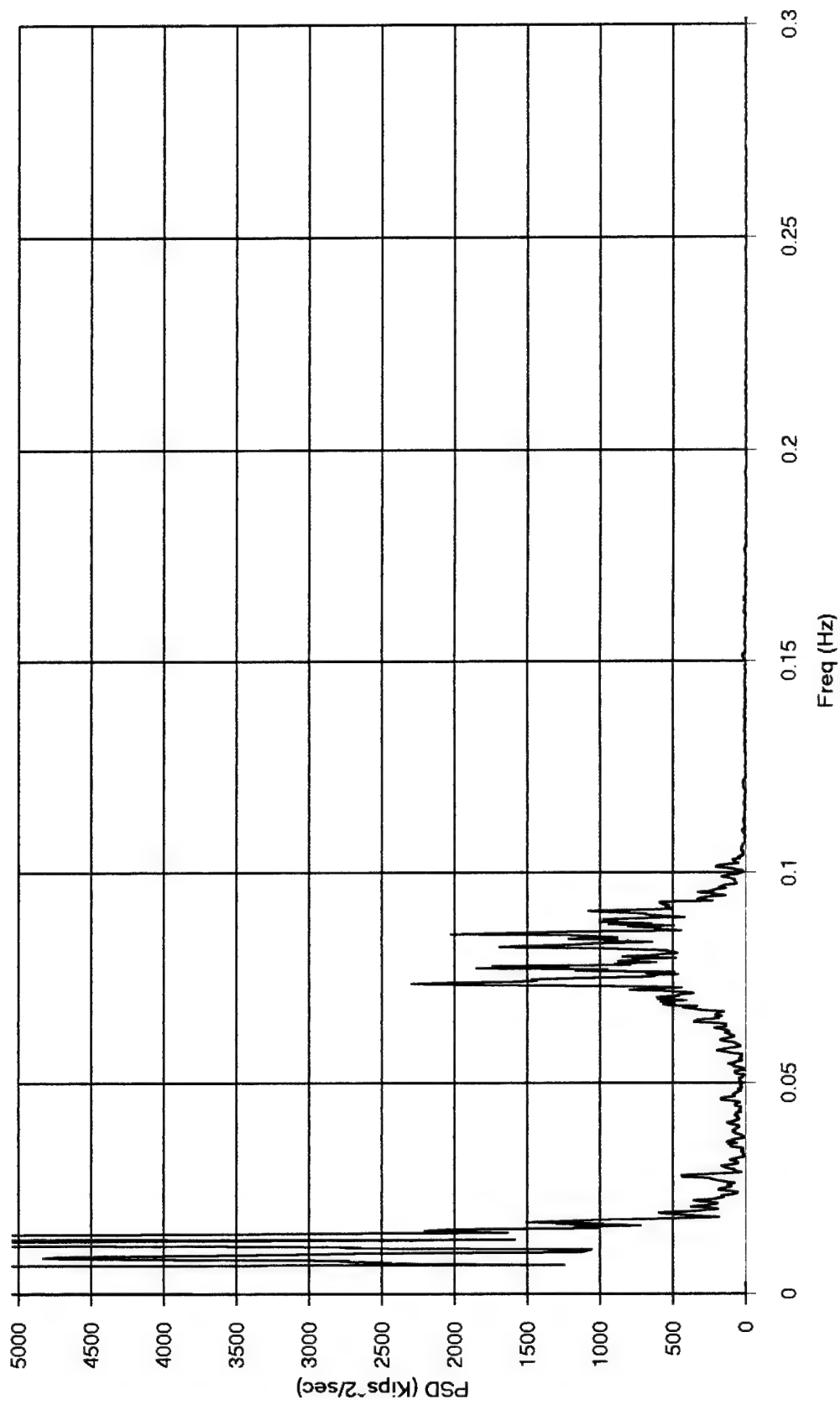
Test A1108- HEAVE PSD



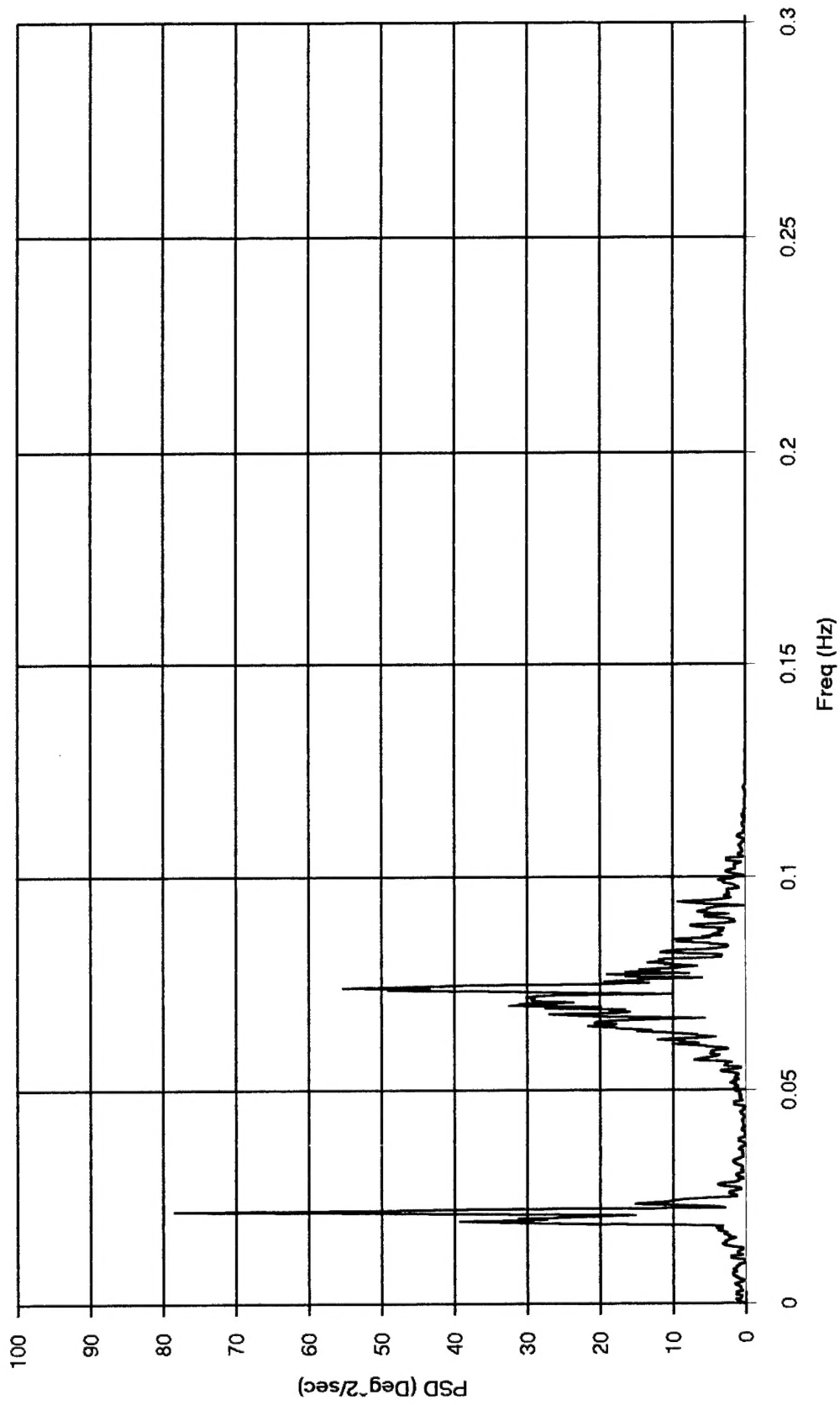
Test A1108 - SURGE PSD



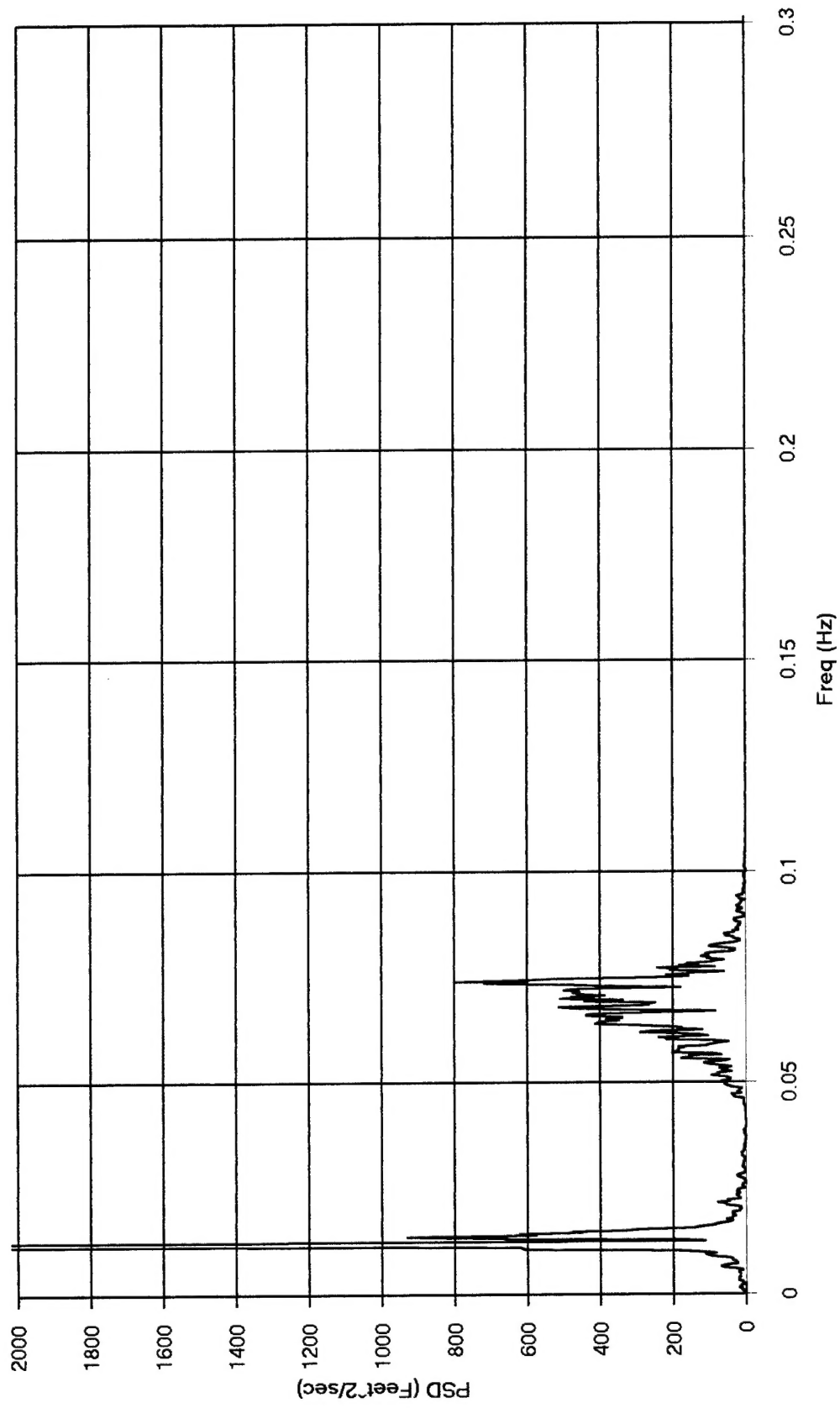
Test A1108 - ML-1 PSD



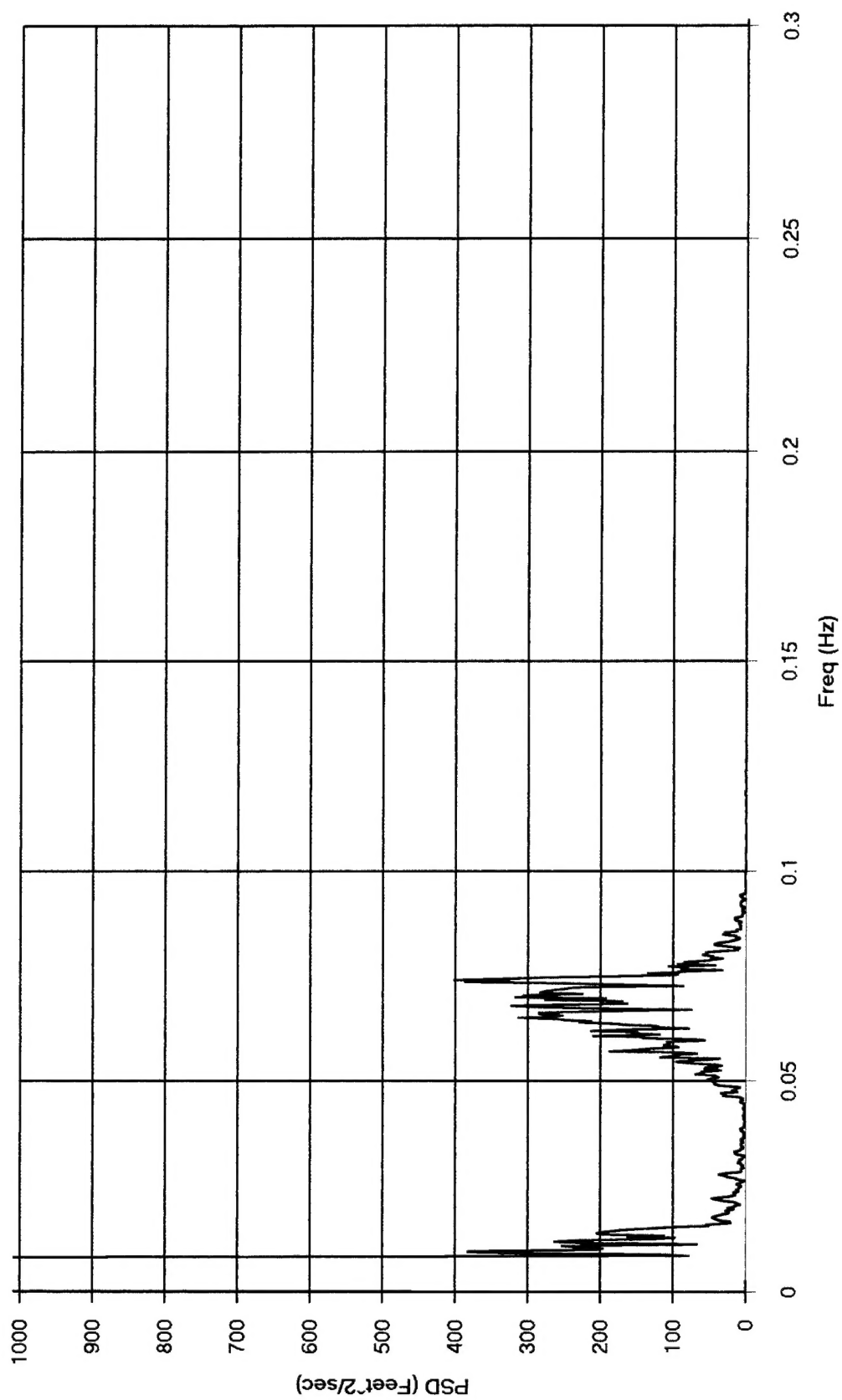
Test A1109 - PITCH PSD



Test A1109 - HEAVE PSD



Test A1109 - SURGE PSD



Test A1109 - ML-1 PSD

